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Service Manual

TOYOTA

ORDER NO.
CRT3797

LEXUS IS

AUDIO SYSTEM HEAD UNIT

VEHICLE	DESTINATION	PRODUCED AFTER	OEM PARTS No.	ID No.	PIONEER MODEL No.
IS	U.S.A. , CANADA	August 2005	86120-53340	P6500	FX-MG9857DVZT/XU/UC
IS	EUROPE	August 2005	86120-53420	P8600	FX-MG9857DVZT/XU/EW
IS	EUROPE	August 2005	86120-53390	P8601	FX-MG9757DVZT/XU/EW
IS	AUSTRALIA	August 2005	86120-53310	P7500	FX-MG9757DVZT/XU/AU

NOTE: A separate service manual needs to be used even for the same model name depending on the location of production. For FX-MG**DVZT/UC, /EW, and /AU, please use the service manual for the corresponding model.**

Manufactured for TOYOTA
by PIONEER CORPORATION

PUB.NO.CRT3797

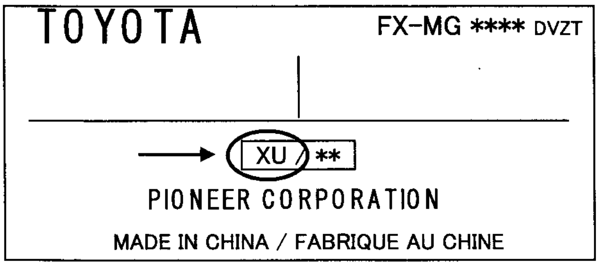
This product contains lead in solder and certain electrical parts contain chemicals which are known to the state of California to cause cancer, birth defects or other reproductive harm.
Health & Safety Code Section 25249.6 - Proposition 65

Additions to Service Precautions

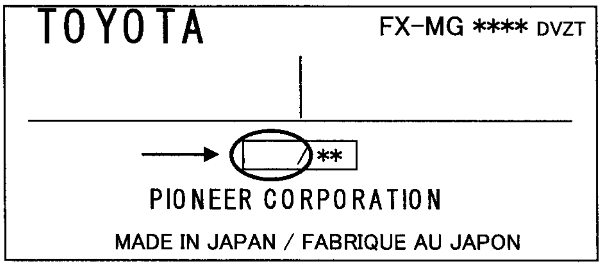
1. FX-MG9857DVZT/XU/UC is a product for which production and assembly of FX-MG9857DVZT04/UC has been transferred to China.
   Caution is required when replacing the parts since some of the parts used are different from those of FX-MG9857DVZT/UC.
2. FX-MG9857DVZT/XU/EW is a product for which production and assembly of FX-MG9857DVZT04/EW has been transferred to China.
   Caution is required when replacing the parts since some of the parts used are different from those of FX-MG9857DVZT/EW.
3. FX-MG9757DVZT/XU/EW is a product for which production and assembly of FX-MG9757DVZT04/EW has been transferred to China.
   Caution is required when replacing the parts since some of the parts used are different from those of FX-MG9757DVZT/EW.
4. FX-MG9757DVZT/XU/AU is a product for which production and assembly of FX-MG9757DVZT04/AU has been transferred to China.
   Caution is required when replacing the parts since some of the parts used are different from those of FX-MG9757DVZT/AU.
5. How to distinguish

- Please distinguish the difference by the bottom part of the name label.

FX-MG **** DVZT/XU/**



FX-MG **** DVZT/**



DVD is a trademark of DVD Format/Logo Licensing Corporation.

This service manual should be used together with the following manual(s) listed below. For the parts numbers, adjustments, etc. which are not shown in this manual, refer to the following manual(s).

Model No.	Order No.	Mech.Module	Remarks
FX-MG9857DVZT/UC	CRT3494		
CX-3150	CRT3495	MG4	DVD Mech. Module:Circuit Description, Mech. Description, Disassembly, etc.

Supplementary model is identical to the original except for the addition of following items.

Description	FX-MG9857DVZT/XU/UC	FX-MG9857DVZT/XU/EW	FX-MG9757DVZT/XU/EW	FX-MG9757DVZT/XU/AU
Polyethylene Bag	CEG1317	CEG1317	CEG1317	CEG1317
Protector	CHP3286	CHP3286	CHP3286	CHP3286
Protector	CHP3287 (x1/3)	CHP3287 (x1/3)	CHP3287 (x1/3)	CHP3287 (x1/3)
Protector	CHP3288	CHP3288	CHP3288	CHP3288
Protector	CHP3289 (x1/3)	CHP3289 (x1/3)	CHP3289 (x1/3)	CHP3289 (x1/3)
Protector	CHP3479	CHP3479	CHP3479	CHP3479
Contain Box	CHL5975 (x1/3)	CHL6010 (x1/3)	CHL6011 (x1/3)	CHL6012 (x1/3)

EXPLODED VIEWS AND PARTS LIST

EXTERIOR (Page 10)

EXTERIOR SECTION PARTS LIST

*:Non spare part

Mark	No.	Description	FX-MG9857DVZT/UC	FX-MG9857DVZT/XU/UC
	3	Screw(M2.6 x 10)	CBA1964(x2)	CBA2013(x2)
	5	Cord Assy	CDE8026	CDE8212
	6	Chassis	CNA2869	CNA2923
	8	Holder	CNB3226	CNB3318(Side Plate)
	16	Insulator	CNM9844	CNN1216
	18	Holder	CNV8764	CNV9097
	19	Holder	CNV8807	CNV9098
	20	Plate	CNV8808	CNV9099
	21	Main Unit	CWM9648	CWN2294
	40	Insulator	CNM9861	CNN1228
	46	Connector	CDE8029	CDE8222
	55	Chassis Unit	CXC5465	CXC6521
	56	DVD Mechanism Module(Service)	* CXK7402	CXX2259
	61	Door Unit	CXC4856	CXC8102
	71	Panel Assy	CPN1986	CPN2380
		Spring	CBL1731	Not used
		Sheet	CNN1208	Not used
		Button(AM•SAT)	CAC9141	CAI1007
		Button(FM)	CAC9142	CAI1008
		Button(DISC•AUX)	CAC9143	CAI1009
		Button(SCAN)	CAC9144	CAI1010
		Button Unit(EJECT)	CXC5767	CXC7452
		Button Unit(LOAD)	CXC5768	CXC7453
		Button Unit(^)	CXC5769	CXC7454
		Button Unit(^)	CXC5770	CXC7455
		Button Unit(v)	CXC5771	CXC7456
		Button Unit(v)	CXC5772	CXC7457
		Knob Unit	CXC4624(x2)	CXC7547(x2)
		Grille Unit	CXC4607	CXC7249
		Lighting Conductor Unit	CXC6030(x2)	CXC7461(x2)
		Lighting Conductor Unit	CXC6031(x2)	CXC7462(x2)
		Frame Unit	CXC4649	CXC7272
		Sheet	CNM9971	CNN2144
		Seal	CNM9973	CNN2145
		Seal	CNM9972	CNN2146

Mark	No.	Description	FX-MG9857DVZT/EW	FX-MG9857DVZT/XU/EW
	3	Screw(M2.6 x 10)	CBA1964(x2)	CBA2013(x2)
	5	Cord Assy	CDE8026	CDE8212
	6	Chassis	CNA2869	CNA2923
	8	Holder	CNB3226	CNB3318(Side Plate)
	16	Insulator	CNM9844	CNN1216
	18	Holder	CNV8764	CNV9097
	19	Holder	CNV8807	CNV9098
	20	Plate	CNV8808	CNV9099
	21	Main Unit	CWM9647	CWN2293
	40	Insulator	CNM9861(x2)	CNN1228(x2)
	46	Connector	CDE8029	CDE8222
	55	Chassis Unit	CXC5465	CXC6521
	56	DVD Mechanism Module(Service)	* CXK7402	CXX2259
	61	Door Unit	CXC4856	CXC8102
	71	Panel Assy	CPN1987	CPN2386
		Spring	CBL1731	Not used
		Sheet	CNN1208	Not used
		Button(AM)	CAC9157	CAI1128
		Button(FM)	CAC9142	CAI1008
		Button(DISC•AUX)	CAC9143	CAI1009
		Button(TA)	CAC9158	CAI1129
		Button Unit(EJECT)	CXC5767	CXC7452
		Button Unit(LOAD)	CXC5768	CXC7453
		Button Unit(^)	CXC5769	CXC7454
		Button Unit(^)	CXC5770	CXC7455
		Button Unit(v)	CXC5771	CXC7456
		Button Unit(v)	CXC5772	CXC7457
		Knob Unit	CXC4624(x2)	CXC7547(x2)
		Grille Unit	CXC4610	CXC7433
		Lighting Conductor Unit	CXC6030(x2)	CXC7461(x2)
		Lighting Conductor Unit	CXC6031(x2)	CXC7462(x2)
		Frame Unit	CXC4649	CXC7272
		Sheet	CNM9971	CNN2144
		Seal	CNM9973	CNN2145
		Seal	CNM9972	CNN2146

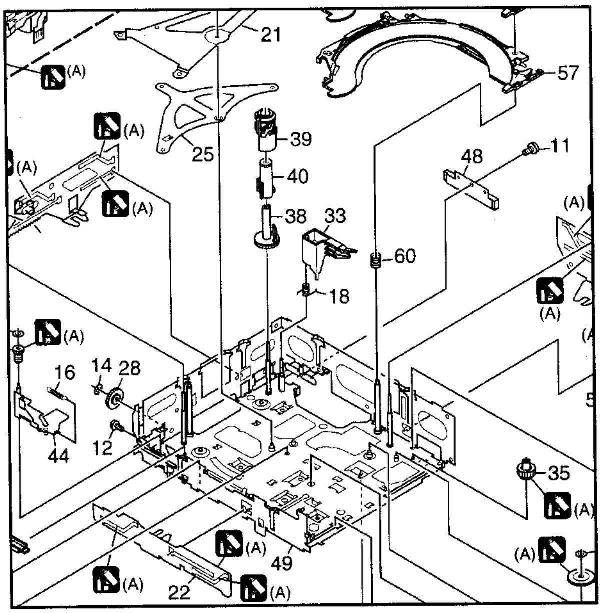
Mark	No.	Description	FX-MG9757DVZT/EW	FX-MG9757DVZT/XU/EW
	3	Screw(M2.6 x 10)	CBA1964(x2)	CBA2013(x2)
	5	Cord Assy	CDE8026	CDE8212
	6	Chassis	CNA2869	CNA2923
	8	Holder	CNB3226	CNB3318(Side Plate)
	16	Insulator	CNM9844	CNN1216
	18	Holder	CNV8764	CNV9097
	19	Holder	CNV8807	CNV9098
	20	Plate	CNV8808	CNV9099
	21	Main Unit	CWM9647	CWN2293
	40	Insulator	CNM9861(x2)	CNN1228(x2)
	46	Connector	CDE8029	CDE8222
	55	Chassis Unit	CXC5465	CXC6521
	56	DVD Mechanism Module(Service)	* CXK7402	CXX2259
	61	Door Unit	CXC4856	CXC8102
	71	Panel Assy	CPN1988	CPN2389
		Spring	CBL1731	Not used
		Sheet	CNN1208	Not used
		Button(AM)	CAC9164	CAI1133
		Button(FM)	CAC9163	CAI1132
		Button(DISC•AUX)	CAC9162	CAI1131
		Button(TA)	CAC9161	CAI1130
		Button Unit(EJECT)	CXC5774	CXC7459
		Button Unit(LOAD)	CXC5773	CXC7458
		Button Unit(^)	CXC5769	CXC7454
		Button Unit(^)	CXC5770	CXC7455
		Button Unit(v)	CXC5771	CXC7456
		Button Unit(v)	CXC5772	CXC7457
		Knob Unit	CXC4624(x2)	CXC7547(x2)
		Grille Unit	CXC4613	CXC7436
		Lighting Conductor Unit	CXC6030(x2)	CXC7461(x2)
		Lighting Conductor Unit	CXC6031(x2)	CXC7462(x2)
		Frame Unit	CXC4649	CXC7272
		Sheet	CNM9971	CNN2144
		Seal	CNM9973	CNN2145
		Seal	CNM9972	CNN2146

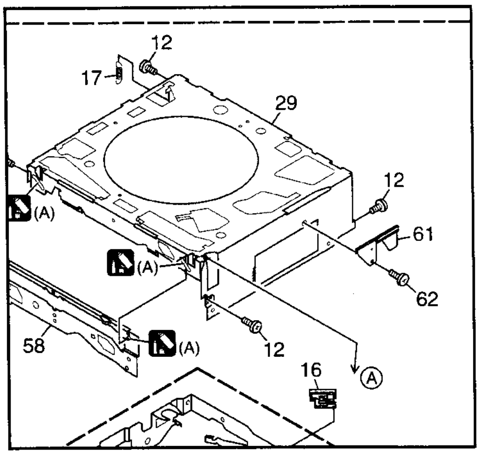
Mark	No.	Description	FX-MG9757DVZT/AU	FX-MG9757DVZT/XU/AU
	3	Screw(M2.6 x 10)	CBA1964(x2)	CBA2013(x2)
	5	Cord Assy	CDE8026	CDE8212
	6	Chassis	CNA2869	CNA2923
	8	Holder	CNB3226	CNB3318(Side Plate)
	16	Insulator	CNM9844	CNN1216
	18	Holder	CNV8764	CNV9097
	19	Holder	CNV8807	CNV9098
	20	Plate	CNV8808	CNV9099
	21	Main Unit	CWM9646	CWN2292
	40	Insulator	CNM9861	CNN1228
	46	Connector	CDE8029	CDE8222
	55	Chassis Unit	CXC5465	CXC6521
	56	DVD Mechanism Module(Service)	* CXK7402	CXX2259
	61	Door Unit	CXC4856	CXC8102
	71	Panel Assy	CPN1989	CPN2394
		Spring	CBL1731	Not used
		Sheet	CNN1208	Not used
		Button(AM)	CAC9164	CAI1133
		Button(FM)	CAC9163	CAI1132
		Button(DISC•AUX)	CAC9162	CAI1131
		Button(AUTO•P)	CAC9169	CAI1137
		Button Unit(EJECT)	CXC5774	CXC7459
		Button Unit(LOAD)	CXC5773	CXC7458
		Button Unit(^)	CXC5769	CXC7454
		Button Unit(^)	CXC5770	CXC7455
		Button Unit(v)	CXC5771	CXC7456
		Button Unit(v)	CXC5772	CXC7457
		Knob Unit	CXC4624(x2)	CXC7547(x2)
		Grille Unit	CXC4616	CXC7441
		Lighting Conductor Unit	CXC6030(x2)	CXC7461(x2)
		Lighting Conductor Unit	CXC6031(x2)	CXC7462(x2)
		Frame Unit	CXC4649	CXC7272
		Sheet	CNM9971	CNN2144
		Seal	CNM9973	CNN2145
		Seal	CNM9972	CNN2146

DVD MECHANISM MODULE(Page 12)

DVD MECHANISM MODULE SECTION PARTS LIST

Mark	No.	Description	FX-MG9857DVZT/UC FX-MG9857DVZT/EW FX-MG9757DVZT/EW FX-MG9757DVZT/AU	FX-MG9857DVZT/XU/UC FX-MG9857DVZT/XU/EW FX-MG9757DVZT/XU/EW FX-MG9757DVZT/XU/AU
	1	DVD Core Unit	CWX3050	CWX3543
	3	Connector(CN1901)	CKS3971	CKS5054
	4	Connector(CN1201)	CKS4273	CKS5667
	6	Connector(CN2001)	CKS4374	Not used
	7	Connector(CN1881)	CKS4426	CKS5038
	8	Connector(CN1101)	CKS4625	CKS4842
	10	Mechanism Unit(Service)	CXX2097	CXX2260
*	21	Arm	CND1926	CND3709
	29	Case	CND2656	CND3597
	30	Plate	CND2902	CND3105
	32	Sheet	CNM9774(x4)	CNM9680(x4)
	33	Arm	CNV7850	CNV9327
	34	Gear	CNV7851	CNV8944
	36	Gear	CNV7856	CNV8945
	39	Cam	CNV7867(x2)	CNV8778(x2)
	42	Cam	CNV7932	CNV8779
	47	Sheet	CNN1064	Not used
*	49	Chassis Unit	CXC4341	CXC6900
	50	Holder Unit	CXC4342	CXC2418
	51	Stage Assy(Service)	CXX1957	CXX2261
	52	ELV Motor Assy(M2)	CXC4350	CXC5910
	54	Cam Motor Assy(M1)	CXC4349	CXC5908
	56	Tray Assy	CXC4354(x5)	CXC6726(x5)
	57	Lower Tray Assy	CXC6755	CXC6780
	58	Shutter Assy	CXC4411	CXC5126
	60	Spring	Not used	CBH2950
	61	Spring	Not used	CBL1728
	62	Screw(M2 x 1.5)	Not used	CBA2025





ELECTRICAL PARTS LIST(Page 69)

MAIN UNIT

Circuit Symbol and No.		FX-MG9857DVZT/UC	FX-MG9857DVZT/XU/UC
IC502	IC	PEG103D	PEG319A
Q106	Transistor	2SA1576	2SA1576A
Q107	Transistor	2SA1576	2SA1576A
Q311	Transistor	DTC144EU	DTC144EUA
Q604	Transistor	2SA1576	2SA1576A
Q606	Transistor	2SA1576	2SA1576A
Q617	Transistor	2SA1576	2SA1576A
Q801	Transistor	DTC144EU	DTC144EUA
R421		RS1/16S0R0J	Not used
R456		Not used	RS1/16SS0R0J
R457		Not used	RS1/16SS0R0J
C426	10 µF	CCG1182	Not used
C427	10 µF	CCG1182	Not used

Circuit Symbol and No.		FX-MG9857DVZT/EW FX-MG9757DVZT/EW	FX-MG9857DVZT/XU/EW FX-MG9757DVZT/XU/EW
Q13	Transistor	2SA1576	2SA1576A
Q19	Transistor	2SA1576	2SA1576A
Q105	Transistor	2SA1576	2SA1576A
Q106	Transistor	2SA1576	2SA1576A
Q107	Transistor	2SA1576	2SA1576A
Q119	Transistor	2SA1576	2SA1576A
Q311	Transistor	DTC144EU	DTC144EUA
Q604	Transistor	2SA1576	2SA1576A
Q606	Transistor	2SA1576	2SA1576A
Q617	Transistor	2SA1576	2SA1576A
Q801	Transistor	DTC144EU	DTC144EUA
R418		Not used	RS1/16S0R0J
R421		RS1/16S0R0J	Not used
R456		Not used	RS1/16SS0R0J
R457		Not used	RS1/16SS0R0J
C426	10 µF	CCG1182	Not used
C427	10 µF	CCG1182	Not used

Circuit Symbol and No.		FX-MG9757DVZT/AU	FX-MG9757DVZT/XU/AU
Q106	Transistor	2SA1576	2SA1576A
Q107	Transistor	2SA1576	2SA1576A
Q311	Transistor	DTC144EU	DTC144EUA
Q604	Transistor	2SA1576	2SA1576A
Q606	Transistor	2SA1576	2SA1576A
Q617	Transistor	2SA1576	2SA1576A
Q801	Transistor	DTC144EU	DTC144EUA
R421		RS1/16S0R0J	Not used
R456		Not used	RS1/16SS0R0J
R457		Not used	RS1/16SS0R0J
C426	10 µF	CCG1182	Not used
C427	10 µF	CCG1182	Not used

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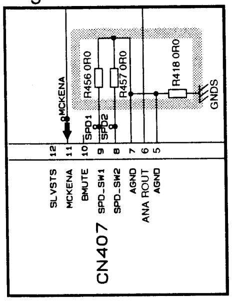
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SPD2
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R457 0R0
R418 0R0
GNDS
12
11
10
9
8
7
6
5
SLVSTS
MCKENA
BMUTE
SPD_SW1
SPD_SW2
AGND
ANA ROUT
AGND
CN407

KEYBOARD UNIT

Circuit Symbol and No.		FX-MG9857DVZT/UC FX-MG9857DVZT/EW FX-MG9757DVZT/EW FX-MG9757DVZT/AU	FX-MG9857DVZT/XU/UC FX-MG9857DVZT/XU/EW FX-MG9757DVZT/XU/EW FX-MG9757DVZT/XU/AU
Q2013	Transistor	DTC144EU	DTC144EUA

DVD CORE UNIT

Circuit Symbol and No.		FX-MG9857DVZT/UC FX-MG9857DVZT/EW FX-MG9757DVZT/EW FX-MG9757DVZT/AU	FX-MG9857DVZT/XU/UC FX-MG9857DVZT/XU/EW FX-MG9757DVZT/XU/EW FX-MG9757DVZT/XU/AU
IC1601	IC	PD6496I	PD6566B
IC2001	IC	PE5443A	PE5558A
L1851	Inductor	CTF1464	CTF1379
C1001		CKSRYB105K10	CKSRYB224K10
C1004		Not used	CKSRYB102K50
C1017		Not used	CKSRYB105K10
C1870		Not used	CKSSYB102K50

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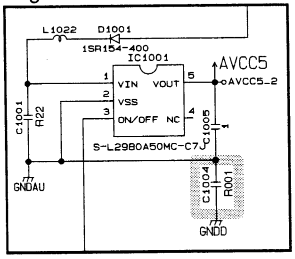
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IC1001
AVCC5
AVCC5_2
VIN
VOUT
VSS
ON/OFF
NC
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C1001
R22
C1005
S-L2980A50MC-C7
GNDAU
C1004
R001
GNDD

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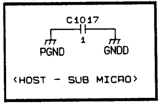
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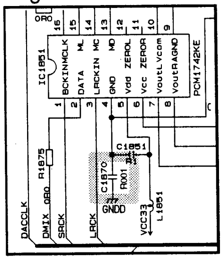
‹HOST - SUB MICRO›

Page 46 Address 2C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14
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12
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IC1851
BCKIN
MCLK
DATA
ML
LRCKIN
MC
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MD
Vdd
ZEROL
Vcc
ZEROR
VoutL
Vcom
VoutR
AGND
PCM1742KE
1
2
3
4
5
6
7
8
C1851
R1875
C1870
R001
GNDD
VCC33
L1851
DACCLK
DMIX
0R0
SRCK
LRCK

Pioneer sound.vision.soul

Service Manual

TOYOTA

ORDER NO.
CRT3494

LEXUS IS350
LEXUS IS250
AUDIO SYSTEM HEAD UNIT

VEHICLE	DESTINATION	PRODUCED AFTER	OEM PARTS No.	ID No.	PIONEER MODEL No.
IS350, IS250	U.S.A. , CANADA	August 2005	86120-53340	P6500	FX-MG9857DVZT/UC
IS350, IS250	U.S.A. , CANADA	August 2005	86120-53340	P6500	FX-MG9857DVZT-91/UC
IS350, IS250	EUROPE	August 2005	86120-53420	P8600	FX-MG9857DVZT/EW
IS350, IS250	EUROPE	August 2005	86120-53420	P8600	FX-MG9857DVZT-91/EW
IS350, IS250	EUROPE	August 2005	86120-53390	P8601	FX-MG9757DVZT/EW
IS350, IS250	EUROPE	August 2005	86120-53390	P8601	FX-MG9757DVZT-91/EW
IS350, IS250	AUSTRALIA	August 2005	86120-53310	P7500	FX-MG9757DVZT/AU
IS350, IS250	AUSTRALIA	August 2005	86120-53310	P7500	FX-MG9757DVZT-91/AU

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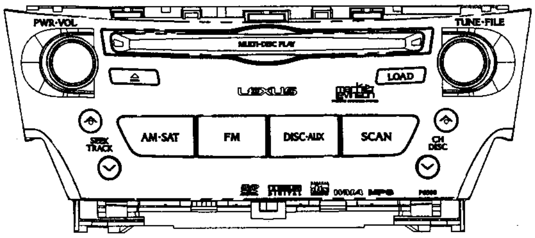
FX-MG9857DVZT/UC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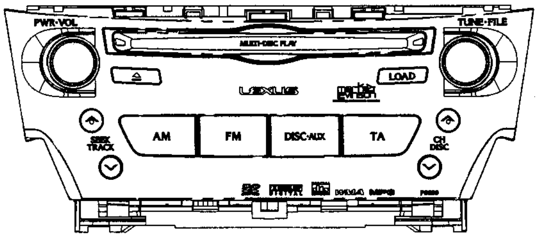
LOAD
AM·SAT
FM
DISC·AUX
SCAN
SEEK TRACK
CH DISC

ID No. P6500

FX-MG9857DVZT/EW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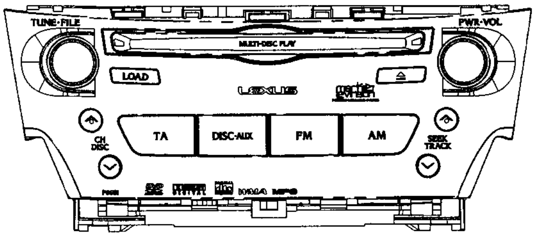
ID No. P8600

FX-MG9757DVZT/EW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PWR·VOL
MULTI-DISC PLAY
LOAD
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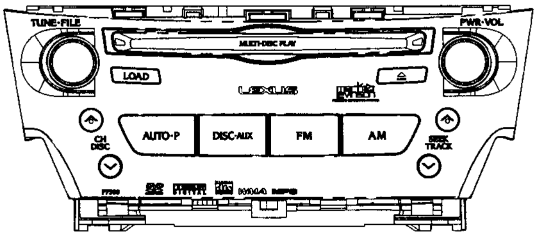
AM
CH DISC
SEEK TRACK

ID No. P8601

FX-MG9757DVZT/AU


TUNE·FILE
PWR·VOL
MULTI-DISC PLAY
LOAD
AUTO·P
DISC·AUX
FM
AM
CH DISC
SEEK TRACK

ID No. P7500

This service manual should be used together with the following manual(s):

Model No.	Order No.	Mech.Module	Remarks
CX-3150	CRT3495	MG4	DVD Mech. Module:Circuit Description, Mech. Description, Disassembly,etc.

"DTS" and "DTS Digital Surround" are registered trademarks of Digital Theater Systems,Inc.

For details, refer to "Important Check Points for Good Servicing".

SAFETY INFORMATION

● Service Precautions

1. You should conform to the regulations governing the product (safety, radio and noise, and other regulations), and should keep the safety during servicing by following the safety instructions described in this manual.
2. Make sure to install grille when charging power.
   (* If you fail to do so, the main body will identify it as "a model with display" and the button will not function.)
3. Do not disassemble the panel assy.
   The button parts are greased by machine in order to give users comfortable touch.
   When the panel assy needs to be dismantled for repairs, change the panel assy itself.
4. The test mode is not available on this unit.
   To enter the test mode, load the mechanism to other unit designated for test mode and then try the mode by referring to its service manual.

● DVD and CD section precaution

1. Before disassembling the unit, be sure to turn off the power. Unplugging and plugging the connectors during power-on mode may damage the ICs inside the unit.
2. To protect the pickup unit from electrostatic discharge during servicing, take an appropriate treatment (shorting-solder) by referring to "the DISASSEMBLY" .
3. During disassembly, be sure to turn the power off since an internal IC might be destroyed when a connector is plugged or unplugged.

CAUTION

This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer.
Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.
Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty.
If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

WARNING

This product contains lead in solder and certain electrical parts contain chemicals which are known to the state of California to cause cancer, birth defects or other reproductive harm.
Health & Safety Code Section 25249.6 - Proposition 65

1. Safety Precautions for those who Service this Unit.

- **Follow the adjustment steps in the service manual when servicing this unit. When checking or adjusting the emitting power of the laser diode exercise caution in order to get safe, reliable results.**

Caution:

1. **During repair or tests, minimum distance of 13cm from the focus lens must be kept.**
2. **During repair or tests, do not view laser beam for 10 seconds or longer.**

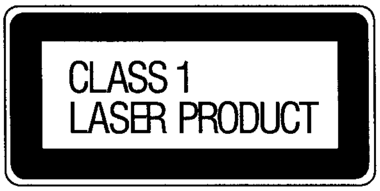
CAUTION

This product contains a laser diode of higher class than 1. To ensure continued safety, do not remove any covers or attempt to gain access to the inside of the product.

Refer all servicing to qualified personnel.

The following caution label appears on your unit.

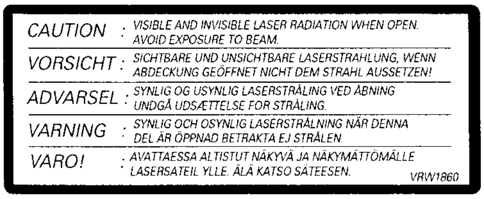
Location: on the bottom of the unit



CLASS 1
LASER PRODUCT

En

On the top of the player.



CAUTION : VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN. AVOID EXPOSURE TO BEAM.
VORSICHT : SICHTBARE UND UNSICHTBARE LASERSTRAHLUNG, WENN ABDECKUNG GEÖFFNET NICHT DEM STRAHL AUSSETZEN!
ADVARSEL : SYNLIG OG USYNLIG LASERSTRÅLING VED ÅBNING UNDGÅ UDSÆTTELSE FOR STRÅLING.
VARNING : SYNLIG OCH OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD BETRAKTA EJ STRÅLEN.
VARO! : AVATTAESSA ALTISTUT NÄKYVÄ JA NÄKYMÄTTÖMÄLLE LASERSATEIL YLLE. ÄLÄ KATSO SÄTEESEN.
VRW1860

WARNING!

The AEL (accessible emission level)of the laser power output is less than CLASS 1 but the laser component is capable of emitting radiation exceeding the limit for CLASS 1.

A specially instructed person should do servicing operation of the apparatus.

Laser diode characteristics

Wave length:
DVD:640~660nm
CD:770~810nm
DVD : 2.48mW(Emitting period :9sec.)
CD : 705μW(Emitting period : unlimited)

Additional Laser Caution

Transistors Q1101 and Q1102 in PCB drive the laser diodes for DVD and CD respectively. When Q1101 or Q1102 is shorted between their terminals, the laser diodes for DVD or CD will radiate beam. If the top cover is removed with no disc loaded while such short-circuit is continued, the naked eyes may be exposed to the laser beam.

[Important Check Points for Good Servicing]

In this manual, procedures that must be performed during repairs are marked with the below symbol.
Please be sure to confirm and follow these procedures.

1. Product safety

Please conform to product regulations (such as safety and radiation regulations), and maintain a safe servicing environment by following the safety instructions described in this manual.

① Use specified parts for repair.

Use genuine parts. Be sure to use important parts for safety.

② Do not perform modifications without proper instructions.

Please follow the specified safety methods when modification(addition/change of parts) is required due to interferences such as radio/TV interference and foreign noise.

③ Make sure the soldering of repaired locations is properly performed.

When you solder while repairing, please be sure that there are no cold solder and other debris.
Soldering should be finished with the proper quantity. (Refer to the example)

④ Make sure the screws are tightly fastened.

Please be sure that all screws are fastened, and that there are no loose screws.

⑤ Make sure each connectors are correctly inserted.

Please be sure that all connectors are inserted, and that there are no imperfect insertion.

⑥ Make sure the wiring cables are set to their original state.

Please replace the wiring and cables to the original state after repairs.
In addition, be sure that there are no pinched wires, etc.

⑦ Make sure screws and soldering scraps do not remain inside the product.

Please check that neither solder debris nor screws remain inside the product.

⑧ There should be no semi-broken wires, scratches, melting, etc. on the coating of the power cord.

Damaged power cords may lead to fire accidents, so please be sure that there are no damages.
If you find a damaged power cord, please exchange it with a suitable one.

⑨ There should be no spark traces or similar marks on the power plug.

When spark traces or similar marks are found on the power supply plug, please check the connection and advise on secure connections and suitable usage. Please exchange the power cord if necessary.

⑩ Safe environment should be secured during servicing.

When you perform repairs, please pay attention to static electricity, furniture, household articles, etc. in order to prevent injuries.
Please pay attention to your surroundings and repair safely.

2. Adjustments

To keep the original performance of the products, optimum adjustments and confirmation of characteristics within specification.
Adjustments should be performed in accordance with the procedures/instructions described in this manual.

3. Lubricants, Glues, and Replacement parts

Use grease and adhesives that are equal to the specified substance.
Make sure the proper amount is applied.

4. Cleaning

For parts that require cleaning, such as optical pickups, tape deck heads, lenses and mirrors used in projection monitors, proper cleaning should be performed to restore their performances.

5. Shipping mode and Shipping screws

To protect products from damages or failures during transit, the shipping mode should be set or the shipping screws should be installed before shipment. Please be sure to follow this method especially if it is specified in this manual.

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DVD is a trademark of DVD Format/Logo Licensing Corporation.

1. SPECIFICATIONS

General

Power source	13.2V DC(10.5–16.0 V allowable)
Grounding system	Negative type
Backup current	0.15mA or less
Weight(UC,AU model)	2,333g
(EW model)	2,373g

DVD player

System	DVD video, DVD audio, Video CD, Compact disc audio system
Region number(UC model)	1
(EW model)	2
(AU model)	4
Usable Discs	DVD video, DVD audio, Video CD and Compact disc

Video

Video S/N	50dB or more

Audio

Distortion	0.2% or less
S/N	80dB or more
Separation	65dB or more
Stereo balance	±2dB with in
Dynamic range	80dB or more

FM tuner(UC model)

Frequency	87.75–107.9 MHz
S/N	46dB or more
Distortion	1.5% or less
Image interference	35dB or more
IF interference	80dB or more

AM tuner(UC model)

Frequency	530–1,710 kHz
S/N	42dB or more
Distortion	1.5% or less
IF interference	55dB or more
Image interference	45dB or more

AM(MW) tuner(EW model)

Frequency	522–1,611 kHz
S/N	42dB or more
Distortion	1.5% or less
IF interference	55dB or more
Image interference	45dB or more

FM tuner(EW,AU model)

Frequen	87.5–108.0 MHz
S/N	46dB or more
Distortion	1.5% or less
Image interference	35dB or more
IF interference	80dB or more

AM tuner(AU model)

Frequency	531–1,602 kHz
S/N	42dB or more
Distortion	1.5% or less
IF interference	55dB or more
Image interference	45dB or more

LW tuner(EW model)

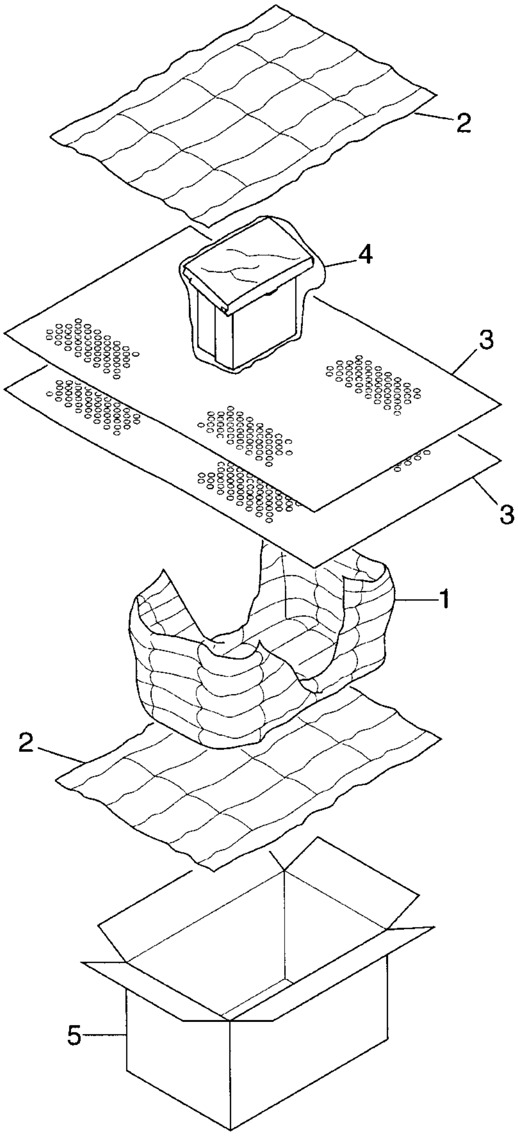
Frequency	153–279 kHz
S/N	42dB or more
Distortion	1.5% or less
IF interference	55dB or more
Image interference	45dB or more

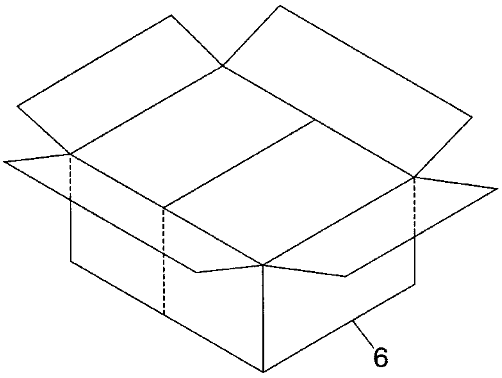
2. EXPLODED VIEWS AND PARTS LIST

NOTES : • *Parts marked by " * " are generally unavailable because they are not in our Master Spare Parts List.*

- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *Screw adjacent to▽mark on the product are used for disassembly.*
- *For the applying amount of lubricants or glue, follow the instructions in this manual. (In the case of no amount instructions,apply as you think it appropriate.)*

2.1 PACKING(-91 model)

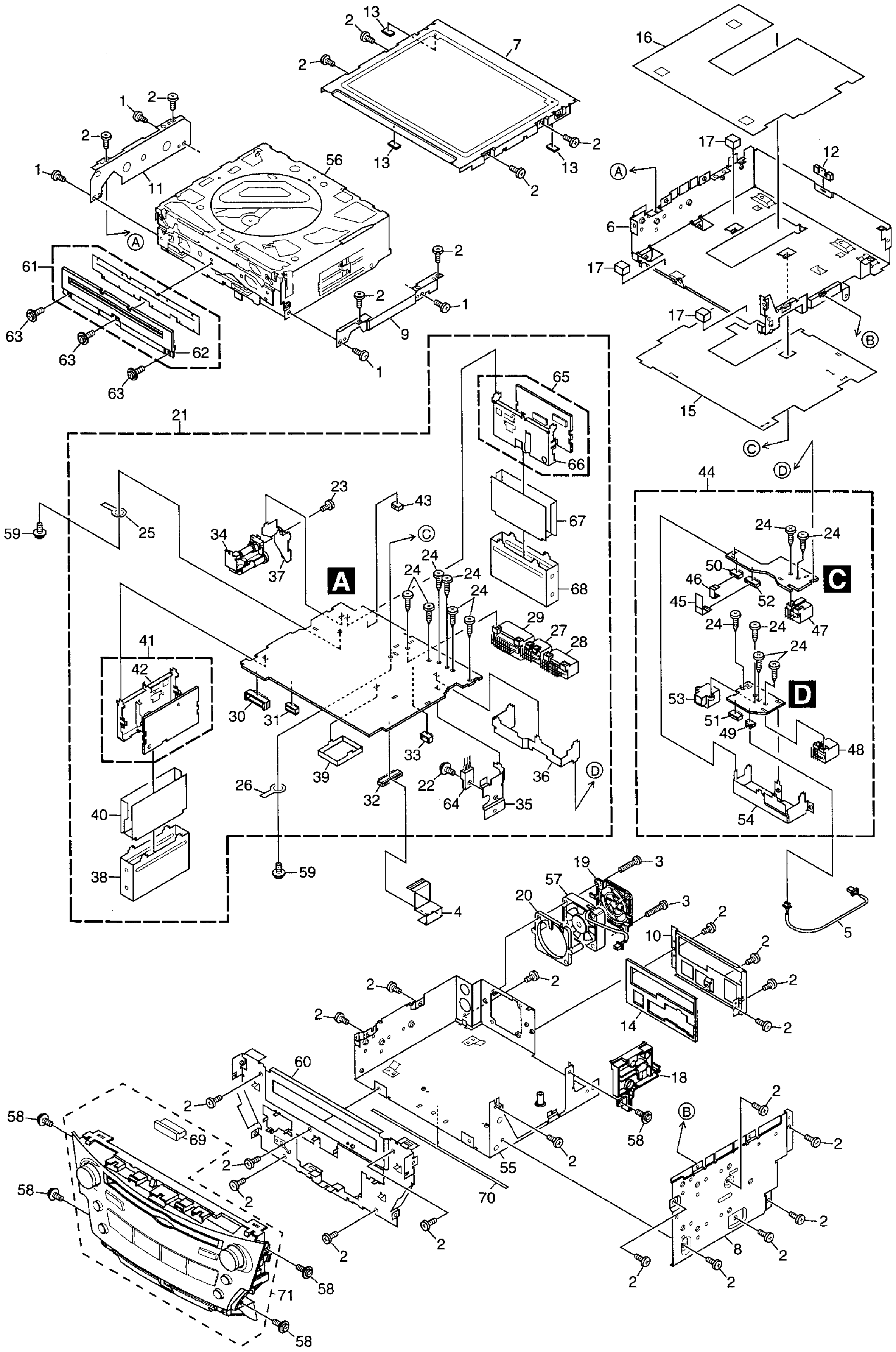




PACKING(-91 model) SECTION PARTS LIST

Mark	No.	Description	Part No.
*	1	Air Cap	CHW1945
*	2	Air Cap	CHW1948
	3	Cover	CEG1045
	4	Cover(UC)	CEG1325
		Cover(EW, AU)	CEG1324
	5	Carton	CHG4861
	6	Contain Box	CHL4861

2.2 EXTERIOR


A
A
B
B
C
C
D
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A
C
D
D
B

(1)EXTERIOR SECTION PARTS LIST

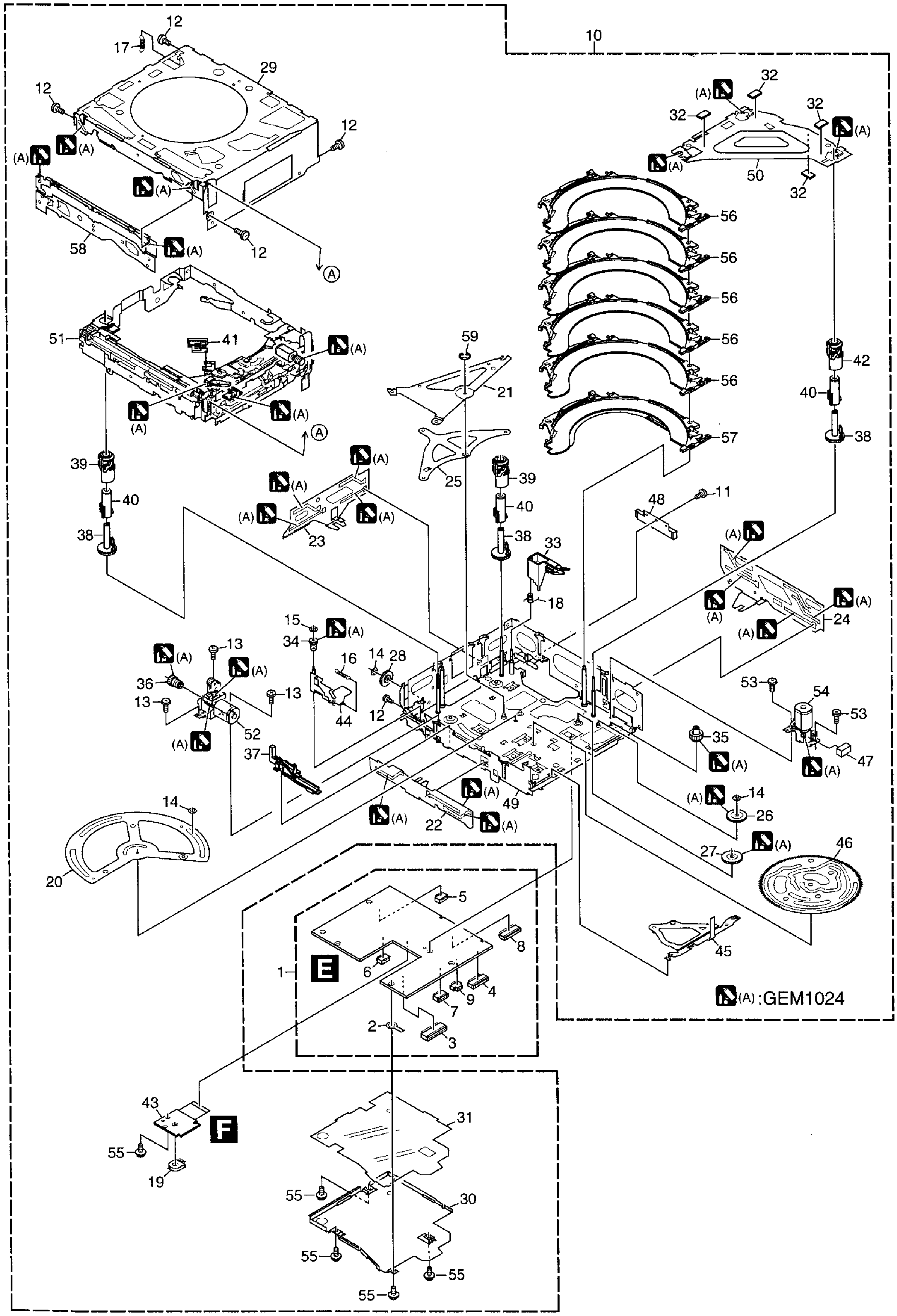
Mark	No.	Description	Part No.
	1	Screw	BMZ30P040FTC
	2	Screw	BSZ26P040FTC
	3	Screw(M2.6x18)	CBA1964
	4	Connector	CDE7679
	5	Cord Assy	CDE8026
	6	Chassis	CNA2869
	7	Case	CNB3049
	8	Holder	CNB3226
	9	Holder	CND2427
	10	Holder	CND2531
	11	Holder	CND2721
	12	Earth Plate	CND3060
	13	Cushion	CNM9507
	14	Cushion	CNM9842
	15	Insulator	CNM9843
	16	Insulator	CNM9844
	17	Conductive Cushion	CNM9847
	18	Holder	CNV8764
	19	Holder	CNV8807
	20	Plate	CNV8808
	21	Main Unit	See contrast table(2)
	22	Screw	ASZ26P060FTC
	23	Screw	BMZ30P040FTC
	24	Screw(M3x6)	CBA1393
	25	Terminal(CN101)	CKF1064
	26	Terminal(CN304)	CKF1064
	27	Connector(CN301)	CKM1466
	28	Connector(CN303)	CKM1467
	29	Connector(CN302)	CKM1469
	30	Connector(CN408)	CKS4266
	31	Connector(CN501)	CKS4853
	32	Connector(CN407)	CKS4958
	33	Connector(CN403)	CKS5279
	34	Connector(ANT11)	CKX1064
	35	Holder	CND2431
	36	Holder	CND2432
	37	Holder	CND2434
	38	Shield	CND2436
	39	Shield	CND3061
	40	Insulator	CNM9861
	41	FM/AM Tuner Unit(Y101)	See contrast table(2)
	42	Holder	CND2144
	43	Connector(CN701)	VKN1940
	44	Connector Unit	CWM9654
	45	Connector	CDE7686
	46	Connector	CDE8029
	47	Connector(CN1002)	CKM1470
	48	Connector(CN1102)	CKM1480
	49	Connector(CN1103)	CKS4822
	50	Connector(CN1005)	CKS5244
	51	Connector(CN1104)	CKS5244
	52	Connector(CN1003)	CKS5251
	53	Socket(CN1101)	CKS5316
	54	Holder	CND2433
	55	Chassis Unit	CXC5465
	56	Mechanism Module(Service)	CXX2102
	57	Fan Motor(M1001)	CXM1336
	58	Screw	ISS26P050FTC
	59	Screw	PMH26P060FTC
	60	Frame Unit	CXC4649
	61	Door Unit	CXC4856
	62	Door	CAT2730
	63	Screw	IMS20P022FTC
	64	Transistor(Q755)	2SB1185
	65	FM/AM Tuner Unit(Y102)	See contrast table(2)
	66	Holder	See contrast table(2)
	67	Insulator	See contrast table(2)
	68	Shield	See contrast table(2)
	69	Connector(CN2001)	CKS4771
	70	Cushion	CNM9997
	71	Panel Assy	See contrast table(2)

(2) CONTRAST TABLE

FX-MG9857DVZT/UC, FX-MG9857DVZT/EW, FX-MG9757DVZT/EW and FX-MG9757DVZT/AU are constructed the same except for the following:

Mark	No.	Description	FX-MG9857DVZT/ UC	FX-MG9857DVZT/ EW	FX-MG9757DVZT/ EW	FX-MG9757DVZT/ AU
	21	Main Unit	CWM9648	CWM9647	CWM9647	CWM9646
	41	FM/AM Tuner Unit(Y101)	CWE1836	CWE1839	CWE1839	CWE1842
	65	FM/AM Tuner Unit(Y102)	Not used	CWE1839	CWE1839	Not used
	66	Holder	Not used	CND2144	CND2144	Not used
	67	Insulator	Not used	CNM9861	CNM9861	Not used
	68	Shield	Not used	CND2436	CND2436	Not used
	71	Panel Assy	CPN1986	CPN1987	CPN1988	CPN1989

2.3 DVD MECHANISM MODULE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(A) :GEM1024
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F
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55

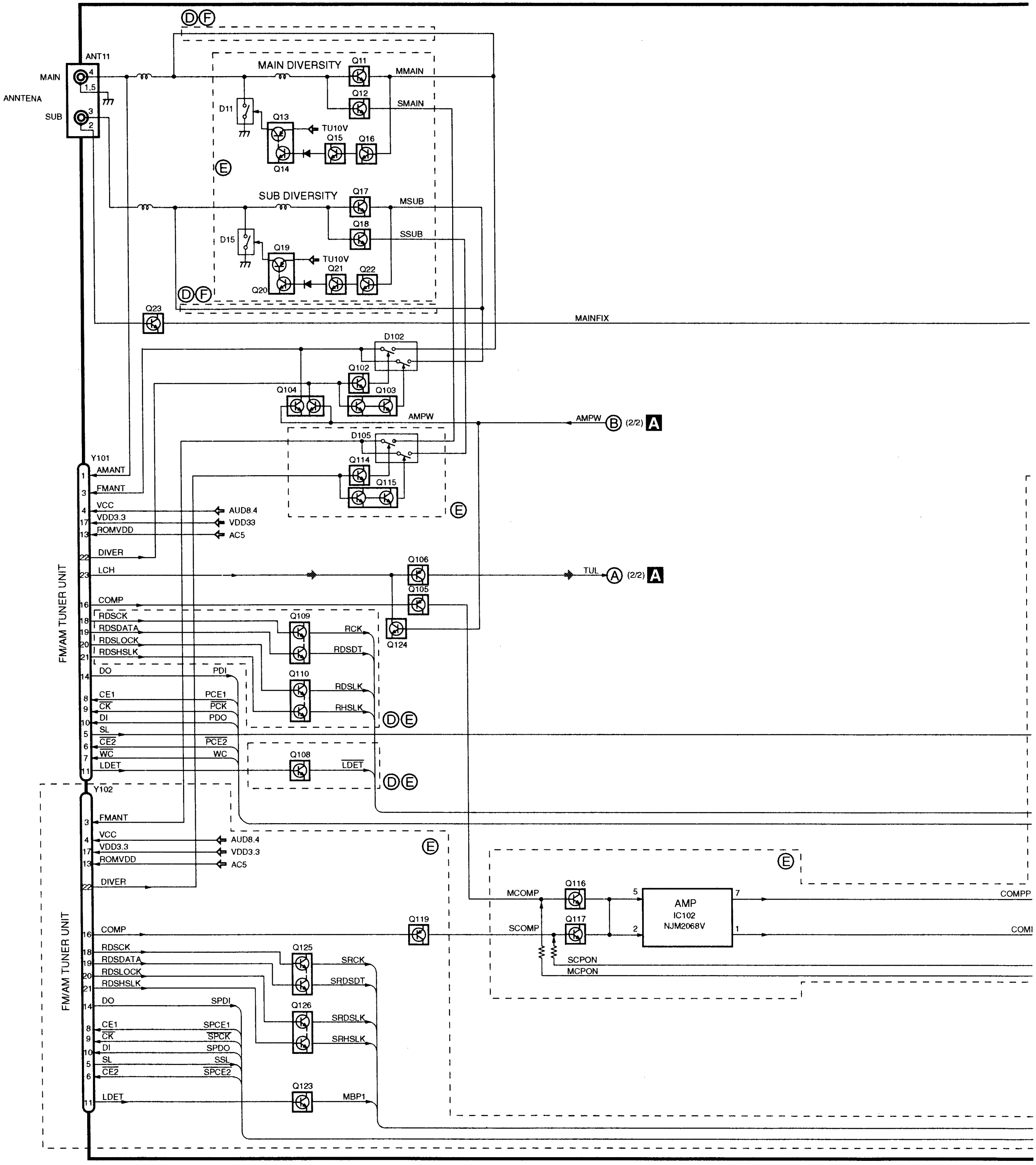
DVD MECHANISM MODULE SECTION PARTS LIST

Mark	No.	Description	Part No.
	1	DVD Core Unit	CWX3050
	2	Terminal(CN1902)	CKF1064
	3	Connector(CN1901)	CKS3971
	4	Connector(CN1201)	CKS4273
	5	Connector(CN1903)	CKS4374
	6	Connector(CN2001)	CKS4374
	7	Connector(CN1881)	CKS4426
	8	Connector(CN1101)	CKS4625
	9	Connector(CN1551)	CKS4817
	10	Mechanism Unit(Service)	CXX6170
	11	Screw	BMZ20P025FTC
	12	Screw(M2x2.5)	CBA1623
	13	Screw(M2x2.5)	CBA1823
	14	Washer	CBF1064
	15	Washer	CBF1094
	16	Spring	CBH2720
	17	Spring	CBH2731
	18	Spring	CBH2732
	19	Variable Resistor(VR13)	CCW1029
*	20	Gear	CND1924
*	21	Arm	CND1926
	22	Stair	CND1930
	23	Stair	CND1931
	24	Stair	CND1932
*	25	Arm	CND1933
*	26	Gear	CND1936
*	27	Gear	CND1937
	28	Gear	CND1939
	29	Case	CND2656
	30	Plate	CND2902
	31	Sheet	CNM9746
	32	Sheet	CNM9774
	33	Arm	CNV7850
	34	Gear	CNV7851
	35	Gear	CNV7854
	36	Gear	CNV7856
	37	Holder	CNV7861
	38	Cam	CNV7866
	39	Cam	CNV7867
	40	Cam	CNV7868
	41	Arm	CNV7869
	42	Cam	CNV7932
	43	PCB Assy	CWX2986
*	44	Lever Unit	CXC2392
*	45	Lever Unit	CXC2393
*	46	Cam Gear Unit	CXC2435
	47	Sheet	CNN1064
	48	PCB Assy	CXC3142
*	49	Chassis Unit	CXC4341
	50	Holder Unit	CXC4342
	51	Stage Assy(Service)	CXX1957
	52	ELV Motor Assy(M2)	CXC4350
	53	Screw	JFZ20P020FTC
	54	Cam Motor Assy(M1)	CXC4349
	55	Screw	IMS26P025FTC
	56	Tray Assy	CXC4354
	57	Under Tray Assy	CXC4410
	58	Shutter Assy	CXC4411
	59	Washer	YE15FTC

3. BLOCK DIAGRAM AND SCHEMATIC DIAGRAM

3.1 BLOCK DIAGRAM

A MAIN UNIT (1/2)


ANT11
MAIN
ANNTENA
SUB
4
1,5
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MAIN DIVERSITY
Q11
MMAIN
Q12
SMAIN
D11
Q13
TU10V
Q15
Q16
Q14
Ⓔ
SUB DIVERSITY
Q17
MSUB
Q18
SSUB
D15
Q19
TU10V
Q21
Q22
Q20
Ⓓ Ⓕ
Q23
MAINFIX
D102
Q102
Q104
Q103
AMPW
AMPW Ⓑ (2/2) A
D105
Q114
Q115
Ⓔ
Y101
FM/AM TUNER UNIT
1 AMANT
3 FMANT
4 VCC
17 VDD3.3
13 ROMVDD
AUD8.4
VDD33
AC5
22 DIVER
23 LCH
Q106
TUL Ⓐ (2/2) A
Q105
16 COMP
18 RDSCK
19 RDSDATA
20 RDSLOCK
21 RDSHSLK
Q109
RCK
RDSDT
Q124
14 DO
PDI
Q110
RDSLK
RHSLK
Ⓓ Ⓔ
8 CE1
PCE1
9 CK
PCK
10 DI
PDO
5 SL
6 CE2
PCE2
7 WC
WC
11 LDET
Q108
LDET
Ⓓ Ⓔ
Y102
FM/AM TUNER UNIT
3 FMANT
4 VCC
17 VDD3.3
13 ROMVDD
AUD8.4
VDD3.3
AC5
Ⓔ
22 DIVER
16 COMP
Q119
18 RDSCK
19 RDSDATA
20 RDSLOCK
21 RDSHSLK
Q125
SRCK
SRDSDT
14 DO
SPDI
Q126
SRDSLK
SRHSLK
8 CE1
SPCE1
9 CK
SPCK
10 DI
SPDO
5 SL
SSL
6 CE2
SPCE2
11 LDET
Q123
MBP1
Ⓔ
MCOMP
SCOMP
Q116
Q117
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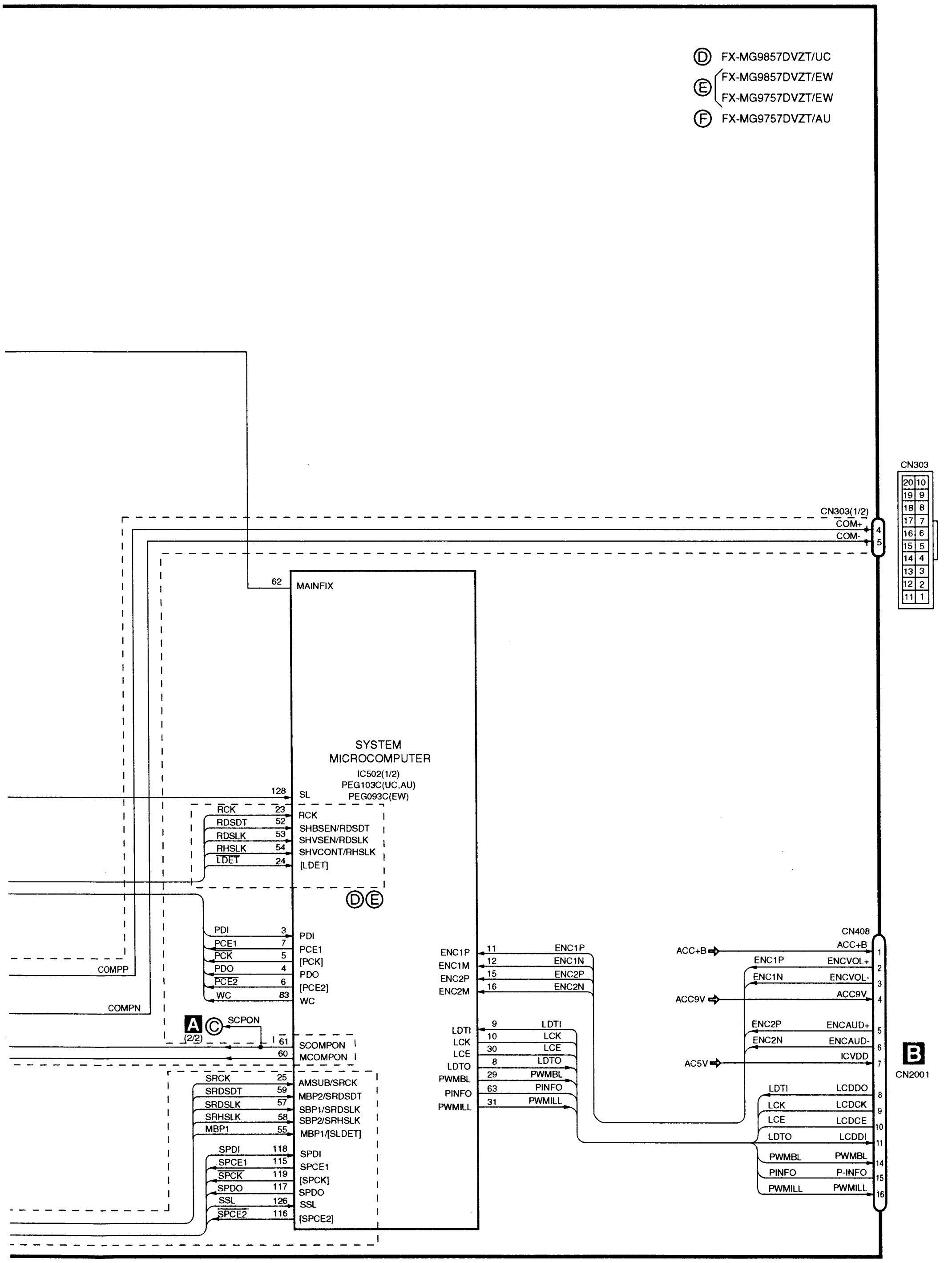
COMPP
COMI
SCPON
MCPON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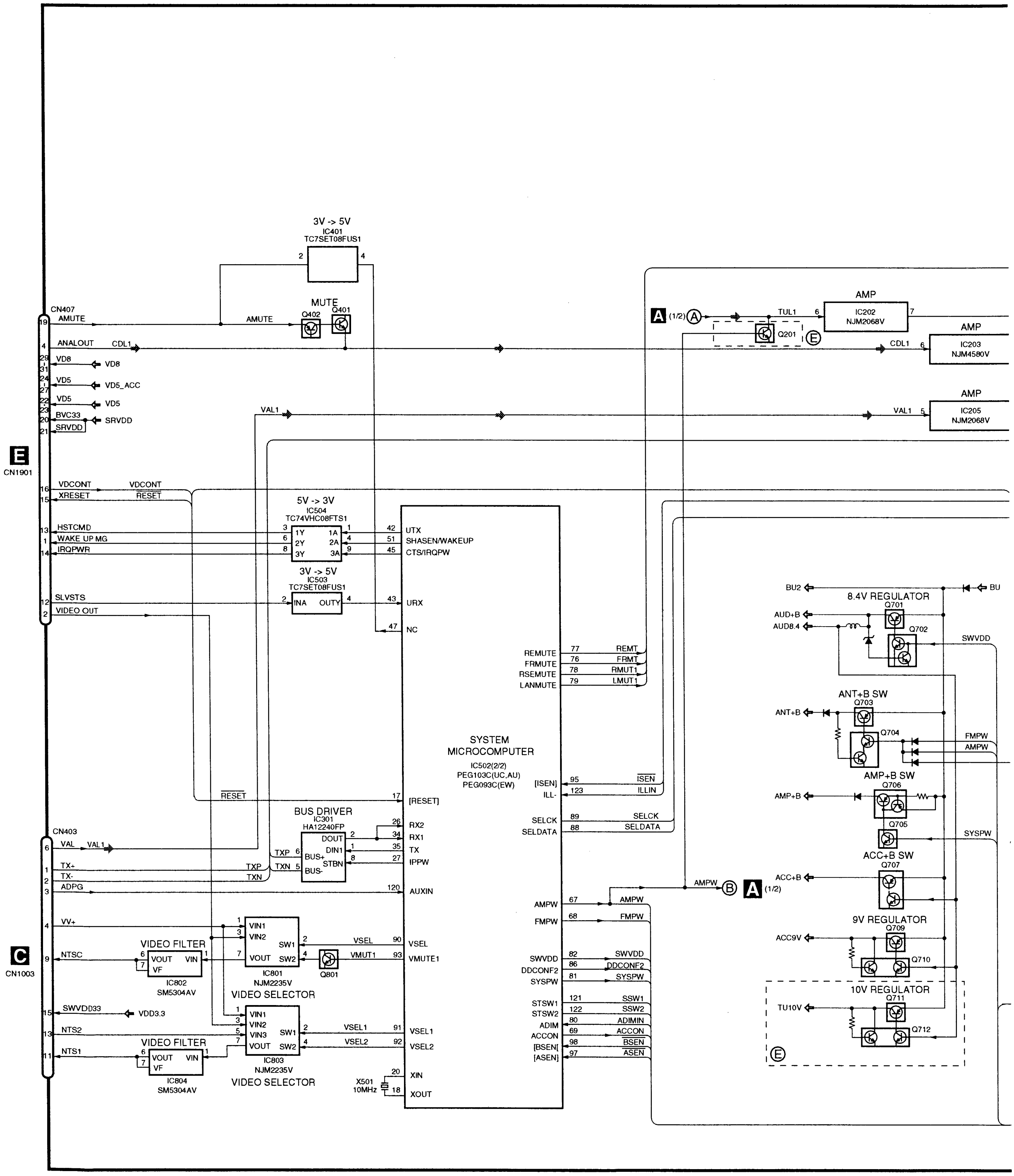
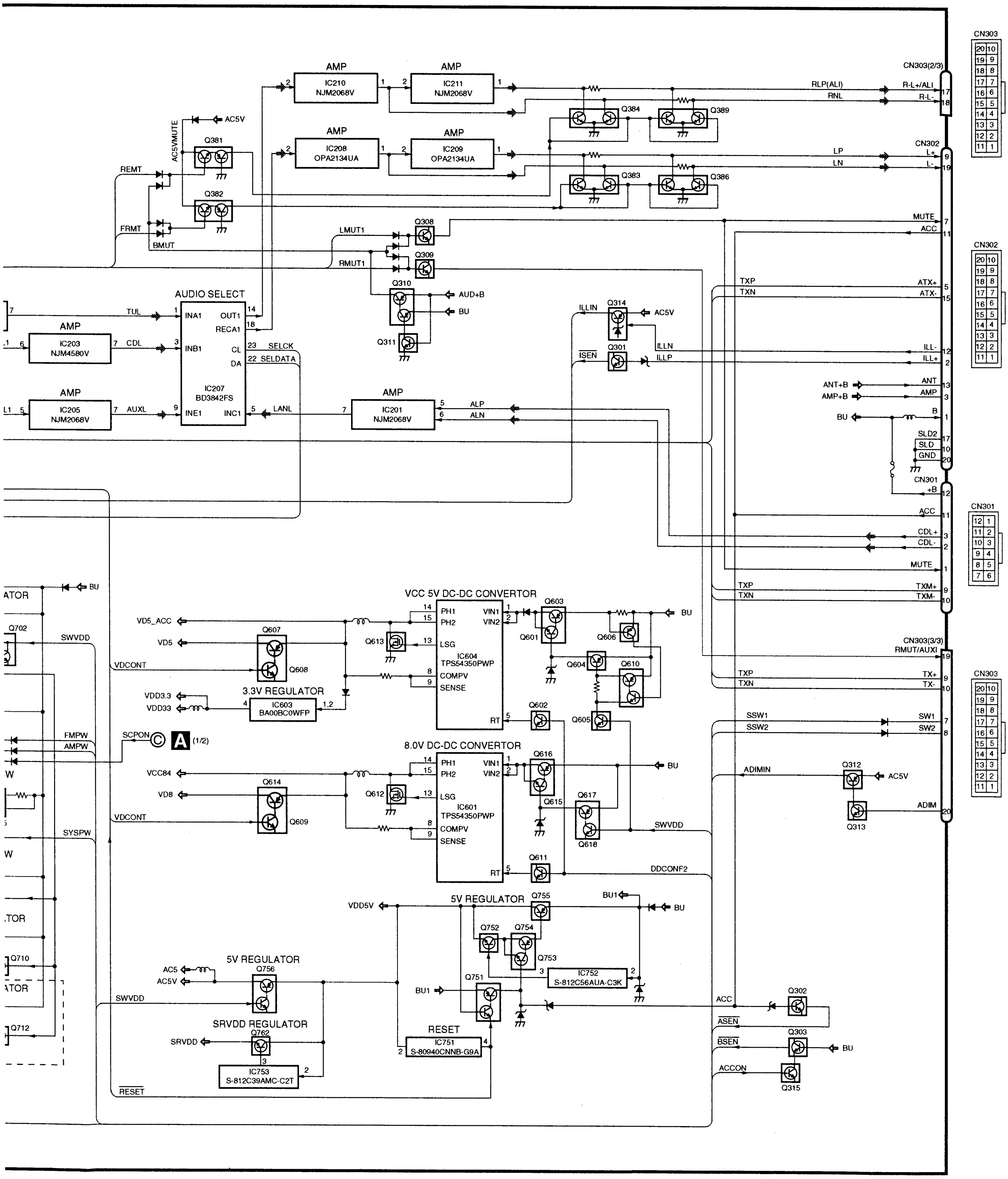
Ⓔ FX-MG9857DVZT/EW
FX-MG9757DVZT/EW
Ⓕ FX-MG9757DVZT/AU
CN303
20 10
19 9
18 8
17 7
16 6
15 5
14 4
13 3
12 2
11 1
CN303(1/2)
COM+
COM-
4
5
62
MAINFIX
SYSTEM
MICROCOMPUTER
IC502(1/2)
PEG103C(UC,AU)
PEG093C(EW)
128
SL
RCK 23 RCK
RDSDT 52 SHBSEN/RDSDT
RDSLK 53 SHVSEN/RDSLK
RHSLK 54 SHVCONT/RHSLK
LDET 24 [LDET]
ⒹⒺ
PDI 3 PDI
PCE1 7 PCE1
PCK 5 [PCK]
PDO 4 PDO
PCE2 6 [PCE2]
WC 83 WC
COMPP
COMPN
A
(2/2)
Ⓒ
SCPON
61 SCOMPON
60 MCOMPON
SRCK 25 AMSUB/SRCK
SRDSDT 59 MBP2/SRDSDT
SRDSLK 57 SBP1/SRDSLK
SRHSLK 58 SBP2/SRHSLK
MBP1 55 MBP1/[SLDET]
SPDI 118 SPDI
SPCE1 115 SPCE1
SPCK 119 [SPCK]
SPDO 117 SPDO
SSL 126 SSL
SPCE2 116 [SPCE2]
ENC1P 11 ENC1P
ENC1M 12 ENC1N
ENC2P 15 ENC2P
ENC2M 16 ENC2N
LDTI 9 LDTI
LCK 10 LCK
LCE 30 LCE
LDTO 8 LDTO
PWMBL 29 PWMBL
PINFO 63 PINFO
PWMILL 31 PWMILL
CN408
ACC+B
ACC+B 1
ENC1P ENCVOL+ 2
ENC1N ENCVOL- 3
ACC9V
ACC9V 4
ENC2P ENCAUD+ 5
ENC2N ENCAUD- 6
AC5V
ICVDD 7
LDTI LCDDO 8
LCK LCDCK 9
LCE LCDCE 10
LDTO LCDDI 11
PWMBL PWMBL 14
PINFO P-INFO 15
PWMILL PWMILL 16
B
CN2001

A MAIN UNIT (2/2)

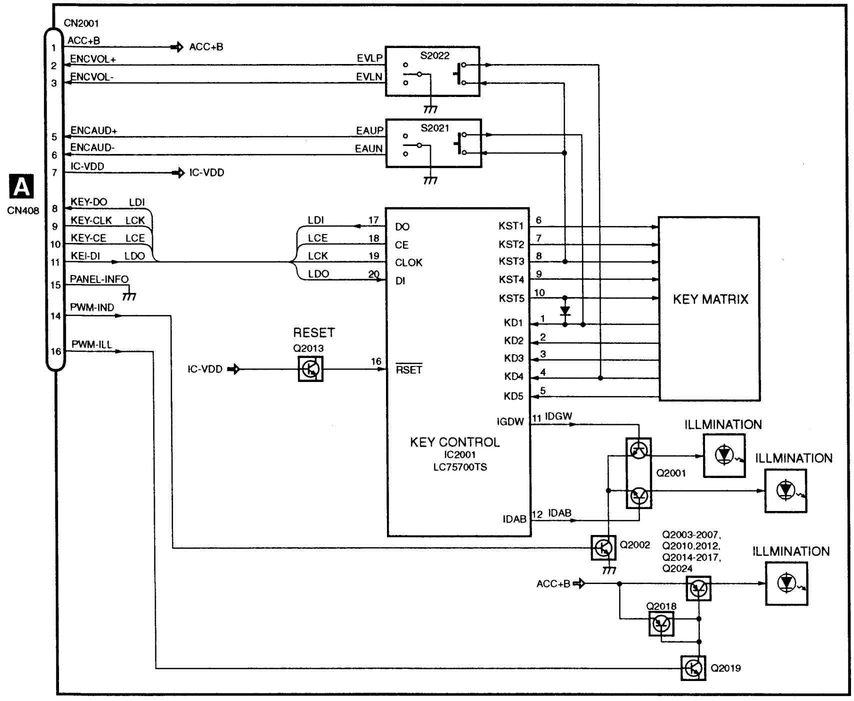

3V -> 5V
IC401
TC7SET08FUS1
MUTE
Q402
Q401
AMUTE
CN407
AMUTE
ANALOUT
CDL1
VD8
VD5
VD5_ACC
VD5
BVC33
SRVDD
VAL1
E
CN1901
VDCONT
XRESET
RESET
HSTCMD
WAKE UP MG
IRQPWR
5V -> 3V
IC504
TC74VHC08FTS1
1Y 1A
2Y 2A
3Y 3A
3V -> 5V
IC503
TC7SET08FUS1
INA OUTY
SLVSTS
VIDEO OUT
UTX
SHASEN/WAKEUP
CTS/IRQPW
URX
NC
SYSTEM
MICROCOMPUTER
IC502(2/2)
PEG103C(UC,AU)
PEG093C(EW)
REMUTE
FRMUTE
RSEMUTE
LANMUTE
REMT
FRMT
RMUT1
LMUT1
[ISEN]
ILL-
ISEN
ILLIN
SELCK
SELDATA
[RESET]
BUS DRIVER
IC301
HA12240FP
DOUT
DIN1
STBN
BUS+
BUS-
TXP
TXN
RX2
RX1
TX
IPPW
AUXIN
CN403
VAL
TX+
TX-
ADPG
VV+
NTSC
SWVDD33
VDD3.3
NTS2
NTS1
C
CN1003
VIDEO FILTER
VOUT VIN
VF
IC802
SM5304AV
IC804
SM5304AV
VIN1
VIN2
VIN3
SW1
SW2
VOUT
IC801
NJM2235V
IC803
NJM2235V
VIDEO SELECTOR
Q801
VSEL
VMUT1
VSEL1
VSEL2
VMUTE1
X501
10MHz
XIN
XOUT
AMPW
FMPW
SWVDD
DDCONF2
SYSPW
STSW1
STSW2
ADIM
ACCON
[BSEN[
[ASEN]
SSW1
SSW2
ADIMIN
ACCON
BSEN
ASEN
A (1/2) A
TUL1
AMP
IC202
NJM2068V
Q201
IC203
NJM4580V
IC205
NJM2068V
AMPW B A (1/2)
BU2
BU
8.4V REGULATOR
Q701
Q702
AUD+B
AUD8.4
SWVDD
ANT+B SW
Q703
Q704
ANT+B
FMPW
AMPW
AMP+B SW
Q706
Q705
AMP+B
SYSPW
ACC+B SW
Q707
ACC+B
9V REGULATOR
Q709
Q710
ACC9V
10V REGULATOR
Q711
Q712
TU10V

Ⓔ FX-MG9857DVZT/EW
FX-MG9757DVZT/EW

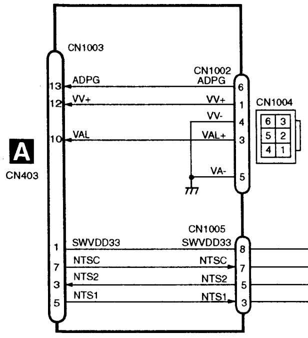


AMP
IC210
NJM2068V
AMP
IC211
NJM2068V
AMP
IC208
OPA2134UA
AMP
IC209
OPA2134UA
AC5VMUTE
AC5V
Q381
Q382
REMT
FRMT
BMUT
Q384
Q389
Q383
Q386
RLP(ALI)
RNL
R-L+/ALI
R-L-
CN303(2/3)
CN302
LP
LN
L+
L-
MUTE
ACC
LMUT1
RMUT1
Q308
Q309
Q310
Q311
AUD+B
BU
AUDIO SELECT
TUL
INA1
OUT1
RECA1
INB1
CL
DA
SELCK
SELDATA
IC207
BD3842FS
INE1
INC1
LANL
AMP
IC203
NJM4580V
CDL
AMP
IC205
NJM2068V
AUXL
AMP
IC201
NJM2068V
ALP
ALN
ILLIN
Q314
AC5V
Q301
ISEN
ILLN
ILLP
TXP
TXN
ATX+
ATX-
ILL-
ILL+
ANT+B
AMP+B
ANT
AMP
B
SLD2
SLD
GND
CN301
+B
CDL+
CDL-
TXM+
TXM-
CN303
CN302
CN301
VCC 5V DC-DC CONVERTOR
VD5_ACC
VD5
Q607
Q608
Q613
PH1
PH2
LSG
IC604
TPS54350PWP
COMPV
SENSE
VIN1
VIN2
RT
Q603
Q601
Q606
Q604
Q610
Q602
Q605
VDCONT
3.3V REGULATOR
IC603
BA00BC0WFP
VDD3.3
VDD33
SWVDD
Q702
FMPW
AMPW
SCPON
Ⓒ A (1/2)
8.0V DC-DC CONVERTOR
VCC84
VD8
Q614
Q609
Q612
IC601
TPS54350PWP
Q616
Q615
Q617
Q618
Q611
SYSPW
DDCONF2
CN303(3/3)
RMUT/AUXI
TX+
TX-
SSW1
SSW2
SW1
SW2
ADIMIN
Q312
Q313
ADIM
5V REGULATOR
VDD5V
Q755
BU1
Q752
Q754
Q753
IC752
S-812C56AUA-C3K
Q751
RESET
IC751
S-80940CNNB-G9A
5V REGULATOR
AC5
AC5V
Q756
SRVDD REGULATOR
SRVDD
Q762
IC753
S-812C39AMC-C2T
RESET
Q710
Q712
ATOR
TOR
ASEN
BSEN
ACCON
Q302
Q303
Q315

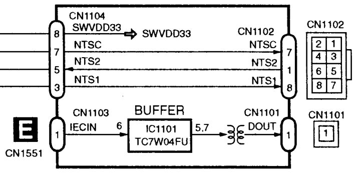
B KEYBOARD UNIT


CN2001
ACC+B
ENCVOL+
ENCVOL-
ENCAUD+
ENCAUD-
IC-VDD
KEY-DO LDI
KEY-CLK LCK
KEY-CE LCE
KEI-DI LDO
PANEL-INFO
PWM-IND
PWM-ILL
A
CN408
ACC+B
IC-VDD
EVLP
EVLN
S2022
EAUP
EAUN
S2021
LDI 17 DO
LCE 18 CE
LCK 19 CLOK
LDO 20 DI
KST1
KST2
KST3
KST4
KST5
KD1
KD2
KD3
KD4
KD5
KEY MATRIX
RESET
Q2013
IC-VDD
16 RSET
KEY CONTROL
IC2001
LC75700TS
IGDW 11 IDGW
IDAB 12 IDAB
ILLMINATION
ILLMINATION
Q2001
Q2002
Q2003-2007, Q2010,2012, Q2014-2017, Q2024
ILLMINATION
ACC+B
Q2018
Q2019

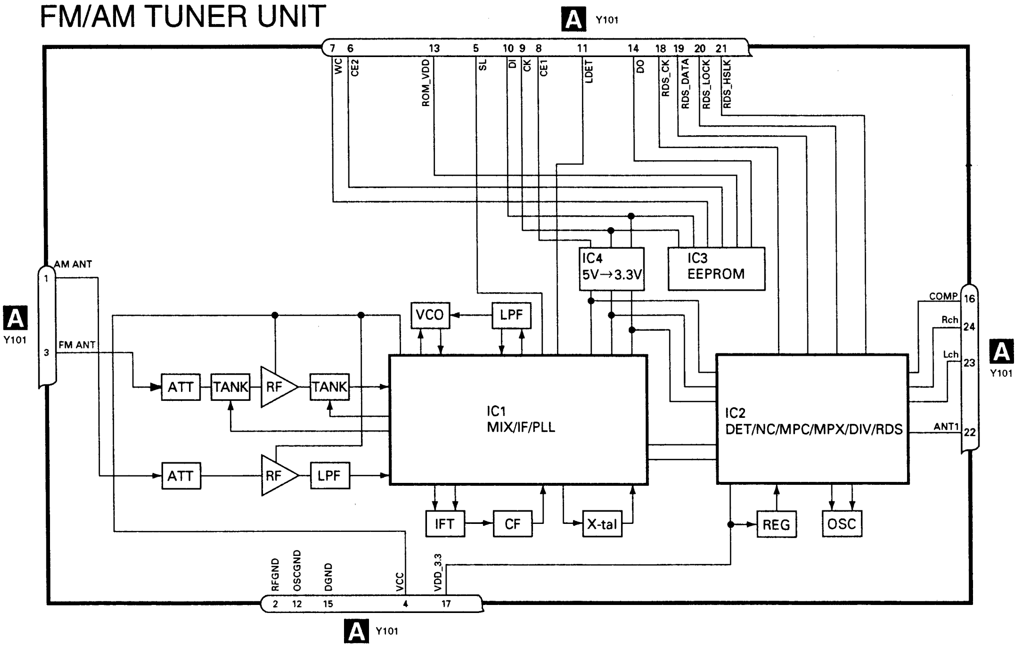
C CONNECTOR1 PCB


CN1003
ADPG
VV+
VAL
A
CN403
CN1002
ADPG
VV+
VV-
VAL+
VA-
CN1004
SWVDD33
NTSC
NTS2
NTS1
CN1005
SWVDD33
NTSC
NTS2
NTS1

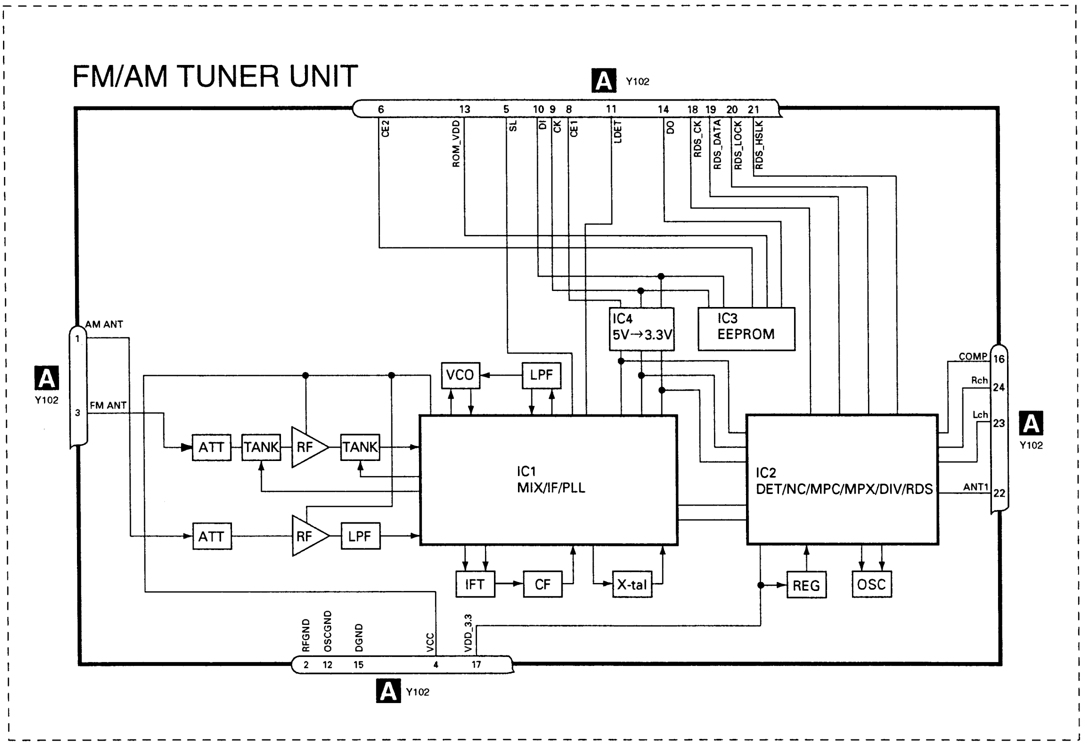
D CONNECTOR2 PCB


CN1104
SWVDD33
SWVDD33
NTSC
NTS2
NTS1
CN1102
NTSC
NTS2
NTS1
CN1102
E
CN1551
CN1103
IECIN
BUFFER
IC1101
TC7W04FU
CN1101
DOUT
CN1101

FM/AM TUNER UNIT

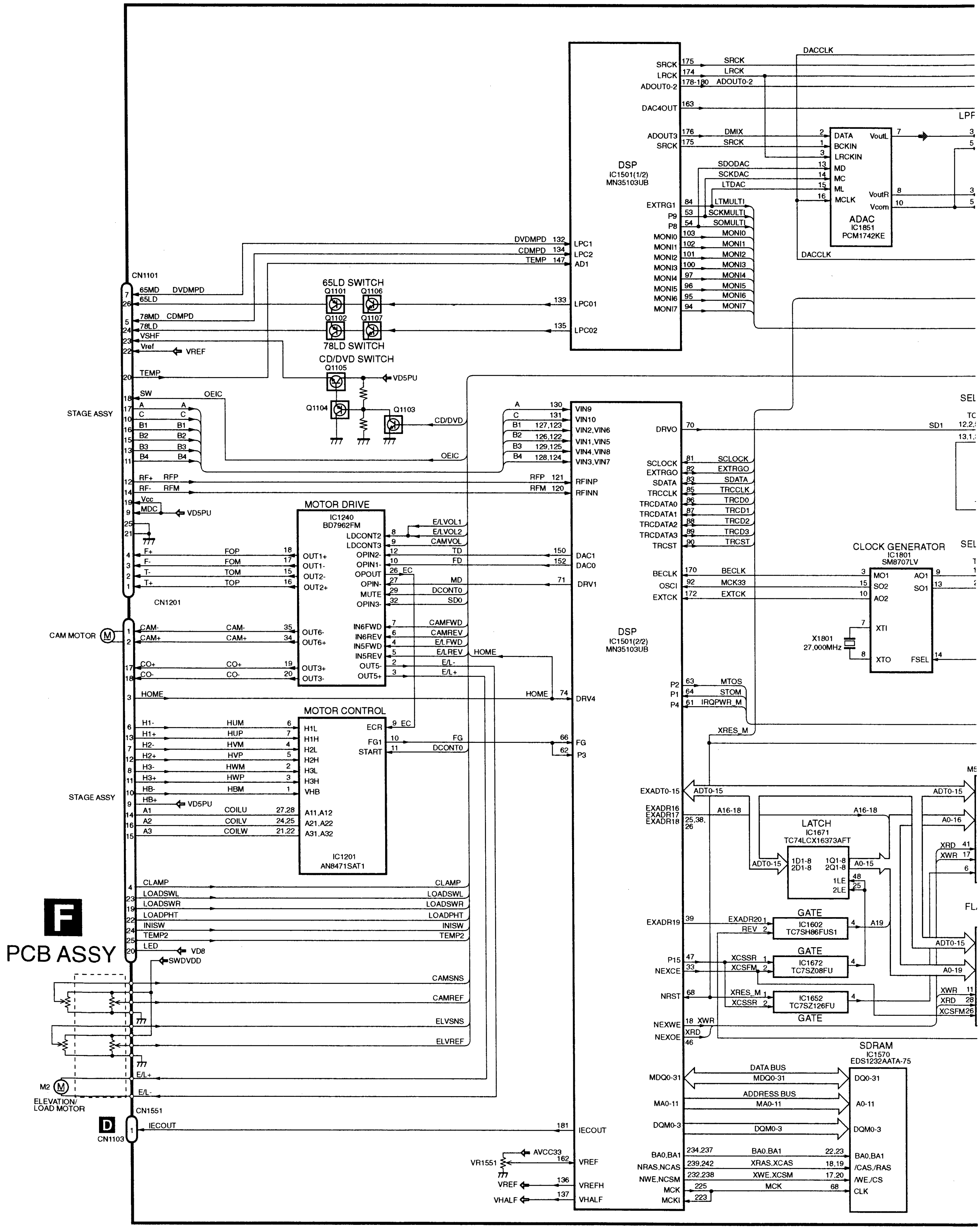

A Y101
7 6 13 5 10 9 8 11 14 18 19 20 21
WC
CE2
ROM_VDD
SL
DI
CK
CE1
LDET
DO
RDS_CK
RDS_DATA
RDS_LOCK
RDS_HSLK
AM ANT
FM ANT
1
3
A Y101
IC4 5V→3.3V
IC3 EEPROM
VCO
LPF
ATT
TANK
RF
TANK
ATT
RF
LPF
IC1 MIX/IF/PLL
IC2 DET/NC/MPC/MPX/DIV/RDS
IFT
CF
X-tal
REG
OSC
COMP 16
Rch 24
Lch 23
ANT1 22
A Y101
RFGND
OSCGND
DGND
VCC
VDD_3.3
2 12 15 4 17
A Y101

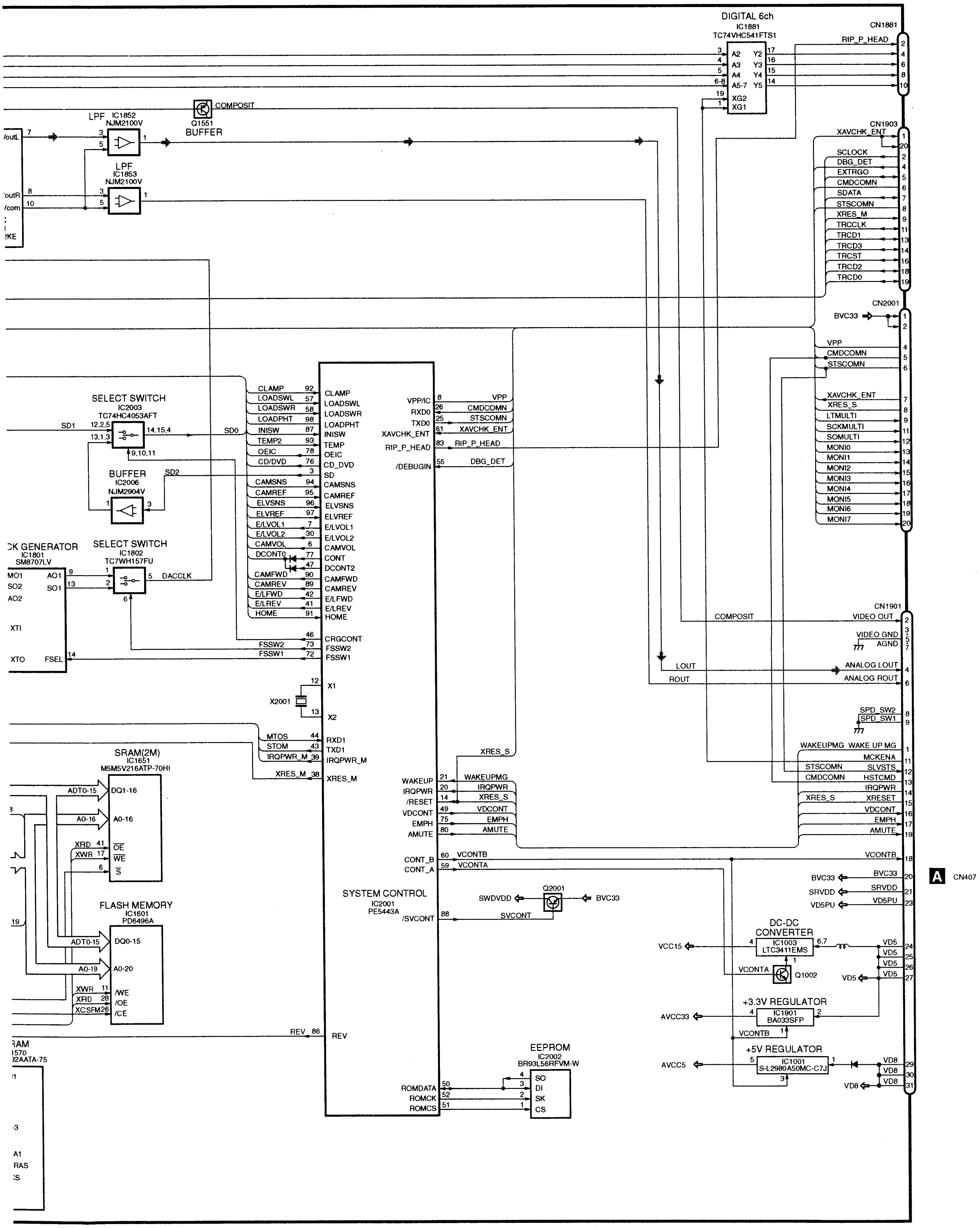
FM/AM TUNER UNIT


A Y102
6 13 5 10 9 8 11 14 18 19 20 21
CE2
ROM_VDD
SL
DI
CK
CE1
LDET
DO
RDS_CK
RDS_DATA
RDS_LOCK
RDS_HSLK
AM ANT
FM ANT
1
3
A Y102
IC4 5V→3.3V
IC3 EEPROM
VCO
LPF
ATT
TANK
RF
TANK
ATT
RF
LPF
IC1 MIX/IF/PLL
IC2 DET/NC/MPC/MPX/DIV/RDS
IFT
CF
X-tal
REG
OSC
COMP 16
Rch 24
Lch 23
ANT1 22
A Y102
RFGND
OSCGND
DGND
VCC
VDD_3.3
2 12 15 4 17
A Y102

FX-MG9757DVZT/EW,
FX-MG9857DVZT/EW

E DVD CORE UNIT

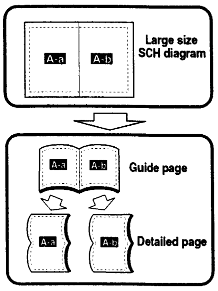

A
B
C
D
E
F
DSP
IC1501(1/2)
MN35103UB
SRCK
LRCK
ADOUT0-2
DAC4OUT
ADOUT3
EXTRG1
P9
P8
MONI0
MONI1
MONI2
MONI3
MONI4
MONI5
MONI6
MONI7
LPC1
LPC2
AD1
LPC01
LPC02
DVDMPD
CDMPD
TEMP
DACCLK
DMIX
SDODAC
SCKDAC
LTDAC
LTMULTI
SCKMULTI
SOMULTI
ADAC
IC1851
PCM1742KE
DATA
BCKIN
LRCKIN
MD
MC
ML
MCLK
VoutL
VoutR
Vcom
LPF
CN1101
65MD
65LD
78MD
78LD
VSHF
Vref
VREF
65LD SWITCH
Q1101
Q1106
Q1102
Q1107
78LD SWITCH
CD/DVD SWITCH
Q1105
Q1104
Q1103
VD5PU
CD/DVD
STAGE ASSY
SW
OEIC
A
C
B1
B2
B3
B4
RF+
RF-
RFP
RFM
Vcc
MDC
F+
F-
T-
T+
FOP
FOM
TOM
TOP
CN1201
MOTOR DRIVE
IC1240
BD7962FM
LDCONT2
LDCONT3
OPIN2-
OPIN1-
OPOUT
OPIN-
MUTE
OPIN3-
OUT1+
OUT1-
OUT2-
OUT2+
OUT6-
OUT6+
OUT3+
OUT3-
IN6FWD
IN6REV
IN5FWD
IN5REV
OUT5-
OUT5+
E/LVOL1
E/LVOL2
CAMVOL
TD
FD
EC
MD
DCONT0
SD0
CAMFWD
CAMREV
E/LFWD
E/LREV
E/L-
E/L+
HOME
CAM MOTOR
CAM-
CAM+
CO+
CO-
MOTOR CONTROL
H1-
H1+
H2-
H2+
H3-
H3+
HB-
HB+
A1
A2
A3
HUM
HUP
HVM
HVP
HWM
HWP
HBM
COILU
COILV
COILW
H1L
H1H
H2L
H2H
H3L
H3H
VHB
A11,A12
A21,A22
A31,A32
ECR
FG1
START
FG
IC1201
AN8471SAT1
DSP
IC1501(2/2)
MN35103UB
VIN9
VIN10
VIN2,VIN6
VIN1,VIN5
VIN4,VIN8
VIN3,VIN7
RFINP
RFINN
DAC1
DAC0
DRV1
DRV4
P3
DRVO
SCLOCK
EXTRGO
SDATA
TRCCLK
TRCDATA0
TRCDATA1
TRCDATA2
TRCDATA3
TRCST
TRCD0
TRCD1
TRCD2
TRCD3
BECLK
OSCI
EXTCK
MCK33
CLOCK GENERATOR
IC1801
SM8707LV
MO1
SO2
AO2
XTI
XTO
AO1
SO1
FSEL
X1801
27.000MHz
SD1
SEL
P2
P1
P4
MTOS
STOM
IRQPWR_M
XRES_M
EXADT0-15
ADT0-15
EXADR16
EXADR17
EXADR18
A16-18
LATCH
IC1671
TC74LCX16373AFT
1D1-8
2D1-8
1Q1-8
2Q1-8
1LE
2LE
A0-15
A0-16
XRD
XWR
EXADR19
EXADR20
REV
GATE
IC1602
TC7SH86FUS1
A19
P15
NEXCE
XCSSR
XCSFM
IC1672
TC7SZ08FU
A0-19
NRST
IC1652
TC7SZ126FU
XCSFM
NEXWE
NEXOE
FL
SDRAM
IC1570
EDS1232AATA-75
MDQ0-31
DATA BUS
DQ0-31
MA0-11
ADDRESS BUS
A0-11
DQM0-3
BA0,BA1
NRAS,NCAS
NWE,NCSM
MCK
MCKI
XRAS,XCAS
XWE,XCSM
/CAS,/RAS
/WE,/CS
CLK
F
PCB ASSY
CLAMP
LOADSWL
LOADSWR
LOADPHT
INISW
TEMP2
LED
VD8
SWDVDD
CAMSNS
CAMREF
ELVSNS
ELVREF
E/L+
E/L-
M2
ELEVATION/
LOAD MOTOR
CN1551
D
CN1103
IECOUT
VR1551
AVCC33
VREF
VREFH
VHALF



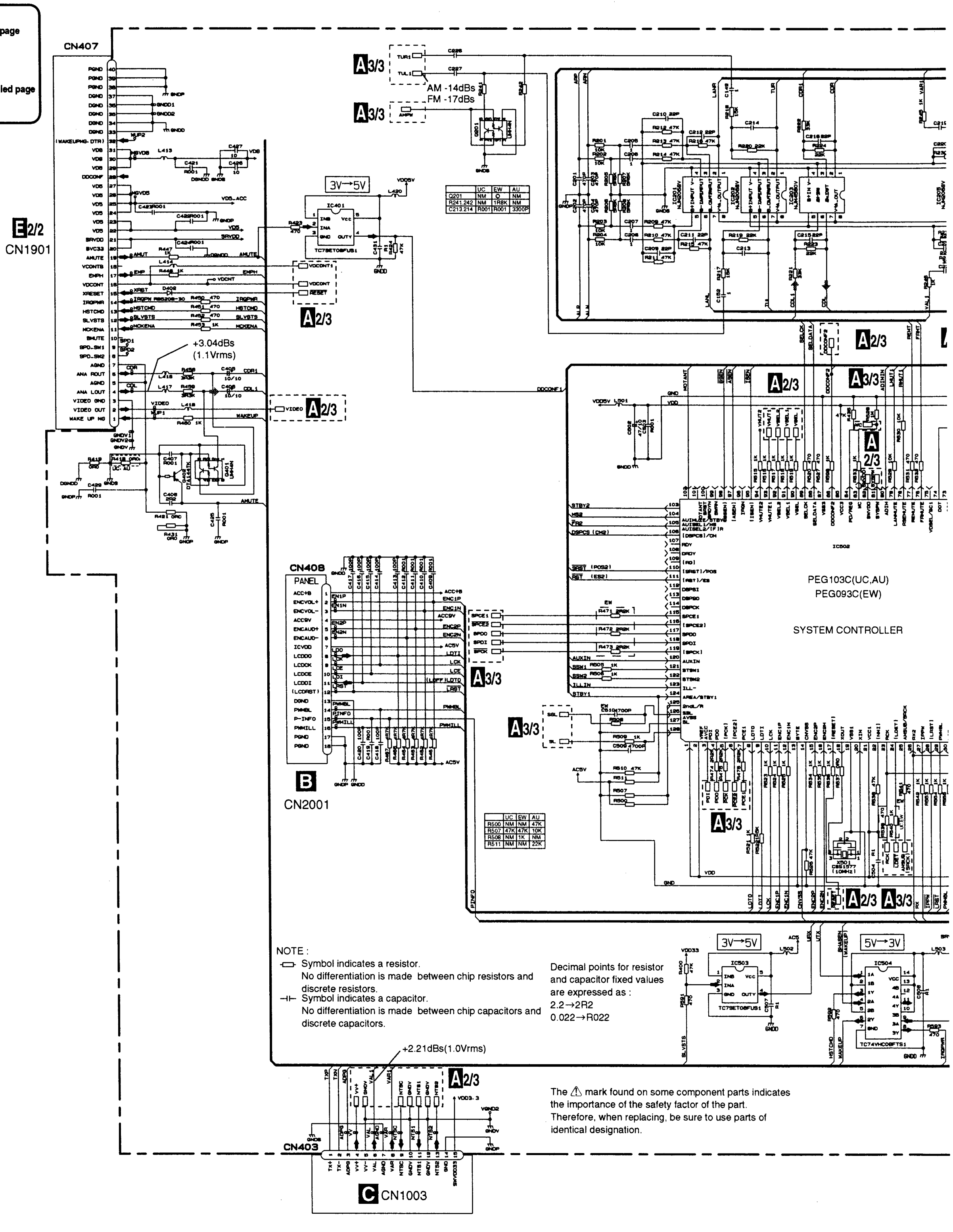
DIGITAL 6ch
IC1881
TC74VHC541FTS1
CN1881
RIP_P_HEAD
A2 A3 A4 A5-7 XG2 XG1
Y2 Y3 Y4 Y5
COMPOSIT
Q1551
BUFFER
LPF
IC1852
NJM2100V
IC1853
NJM2100V
CN1903
XAVCHK_ENT
SCLOCK
DBG_DET
EXTRGO
CMDCOMN
SDATA
STSCOMN
XRES_M
TRCCLK
TRCD1
TRCD3
TRCST
TRCD2
TRCD0
CN2001
BVC33
VPP
CMDCOMN
STSCOMN
XAVCHK_ENT
XRES_S
LTMULTI
SCKMULTI
SOMULTI
MONI0
MONI1
MONI2
MONI3
MONI4
MONI5
MONI6
MONI7
SELECT SWITCH
IC2003
TC74HC4053AFT
SD1
SD0
SD2
BUFFER
IC2006
NJM2904V
CK GENERATOR
IC1801
SM8707LV
MO1 SO2 AO2 XTI XTO
AO1 SO1 FSEL
SELECT SWITCH
IC1802
TC7WH157FU
DACCLK
CLAMP
LOADSWL
LOADSWR
LOADPHT
INISW
TEMP2
OEIC
CD/DVD
CAMSNS
CAMREF
ELVSNS
ELVREF
E/LVOL1
E/LVOL2
CAMVOL
DCONT0
CAMFWD
CAMREV
E/LFWD
E/LREV
HOME
FSSW2
FSSW1
CLAMP LOADSWL LOADSWR LOADPHT INISW TEMP OEIC CD_DVD SD CAMSNS CAMREF ELVSNS ELVREF E/LVOL1 E/LVOL2 CAMVOL CONT DCONT2 CAMFWD CAMREV E/LFWD E/LREV HOME CRGCONT FSSW2 FSSW1
X1 X2
X2001
MTOS
STOM
IRQPWR_M
XRES_M
RXD1 TXD1 IRQPWR_M XRES_M
VPP/IC RXD0 TXD0 XAVCHK_ENT RIP_P_HEAD /DEBUGIN
VPP CMDCOMN STSCOMN XAVCHK_ENT RIP_P_HEAD DBG_DET
WAKEUP IRQPWR /RESET VDCONT EMPH AMUTE
WAKEUPMG IRQPWR XRES_S VDCONT EMPH AMUTE
XRES_S
CONT_B CONT_A
VCONTB VCONTA
SYSTEM CONTROL
IC2001
PE5443A
/SVCONT
SVCONT
SWDVDD
Q2001
BVC33
SRAM(2M)
IC1651
M5M5V216ATP-70HI
ADT0-15 DQ1-16
A0-16
XRD XWR
OE WE S
FLASH MEMORY
IC1601
PD6496A
ADT0-15 DQ0-15
A0-19 A0-20
XWR XRD XCSFM
/WE /OE /CE
REV
RAM
1570
32AATA-75
A1
RAS
CS
EEPROM
IC2002
BR93L56RFVM-W
SO DI SK CS
ROMDATA ROMCK ROMCS
CN1901
COMPOSIT
VIDEO OUT
VIDEO GND
AGND
LOUT
ROUT
ANALOG LOUT
ANALOG ROUT
SPD_SW2
SPD_SW1
WAKEUPMG WAKE UP MG
MCKENA
STSCOMN SLVSTS
CMDCOMN HSTCMD
IRQPWR
XRES_S XRESET
VDCONT
EMPH
AMUTE
VCONTB
BVC33
SRVDD
VD5PU
A
CN407
DC-DC
CONVERTER
IC1003
LTC3411EMS
VCC15
VCONTA
Q1002
VD5
+3.3V REGULATOR
IC1901
BA033SFP
AVCC33
VCONTB
+5V REGULATOR
IC1001
S-L2980A50MC-C7J
AVCC5
VD8

3.2 MAIN UNIT(1/3)(GUIDE PAGE)

Note: When ordering service parts, be sure to refer to " EXPLODED VIEWS AND PARTS LIST" or "ELECTRICAL PARTS LIST".


A-a
A-b
Large size SCH diagram
Guide page
Detailed page

A-a 1/3


CN407
E 2/2
CN1901
A 3/3
AM -14dBs
FM -17dBs
3V→5V
IC401
TC7SET08FUS1
A 2/3
+3.04dBs
(1.1Vrms)
CN408
PANEL
B
CN2001
IC502
PEG103C(UC,AU)
PEG093C(EW)
SYSTEM CONTROLLER
IC503
TC7SET08FUS1
5V→3V
IC504
TC74VHC08FTS1
+2.21dBs(1.0Vrms)
CN403
C CN1003

NOTE :

- Symbol indicates a resistor. No differentiation is made between chip resistors and discrete resistors.
- Symbol indicates a capacitor. No differentiation is made between chip capacitors and discrete capacitors.

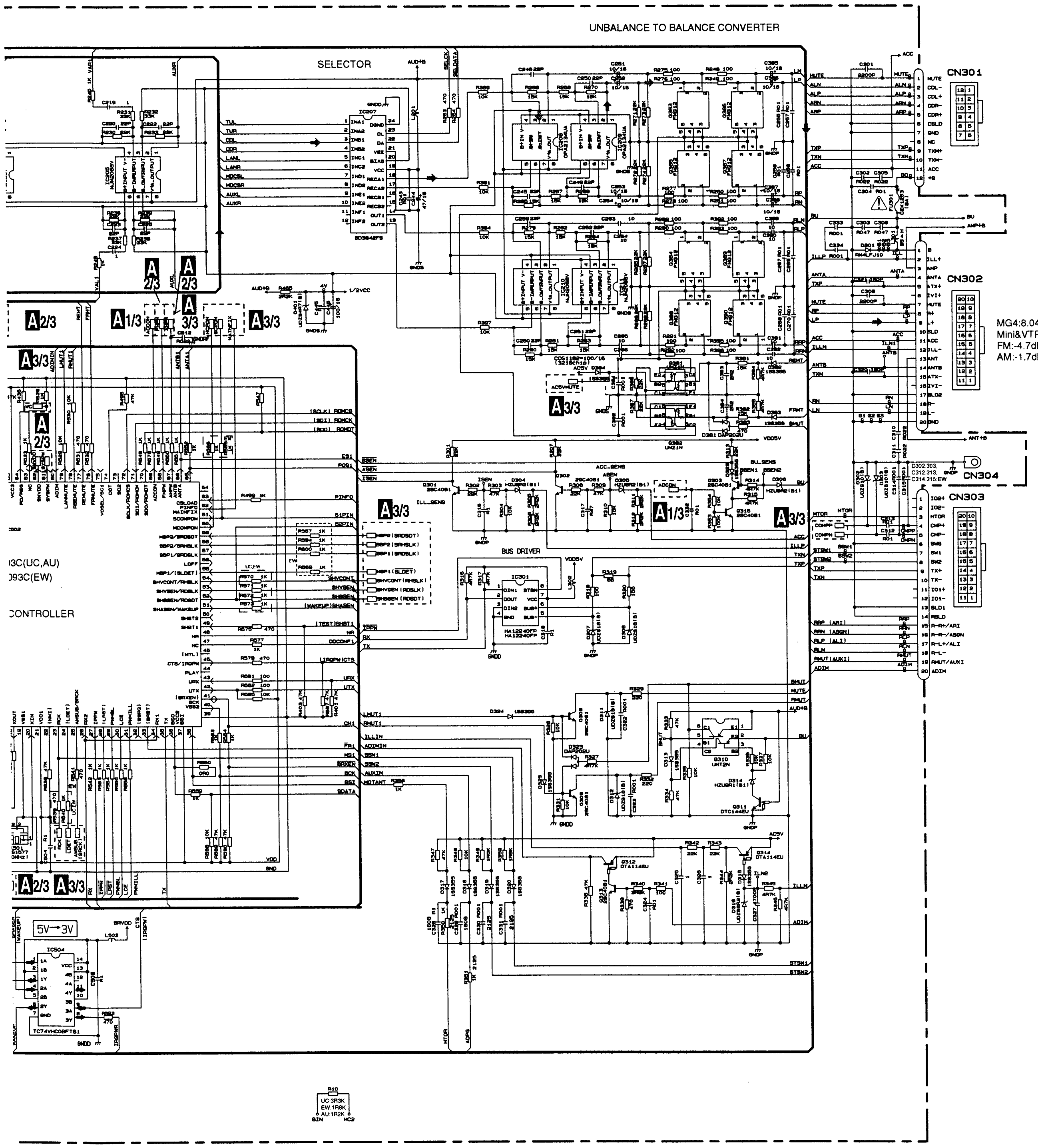
Decimal points for resistor and capacitor fixed values are expressed as :
2.2→2R2
0.022→R022

The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

A 1/3

A-b 1/3

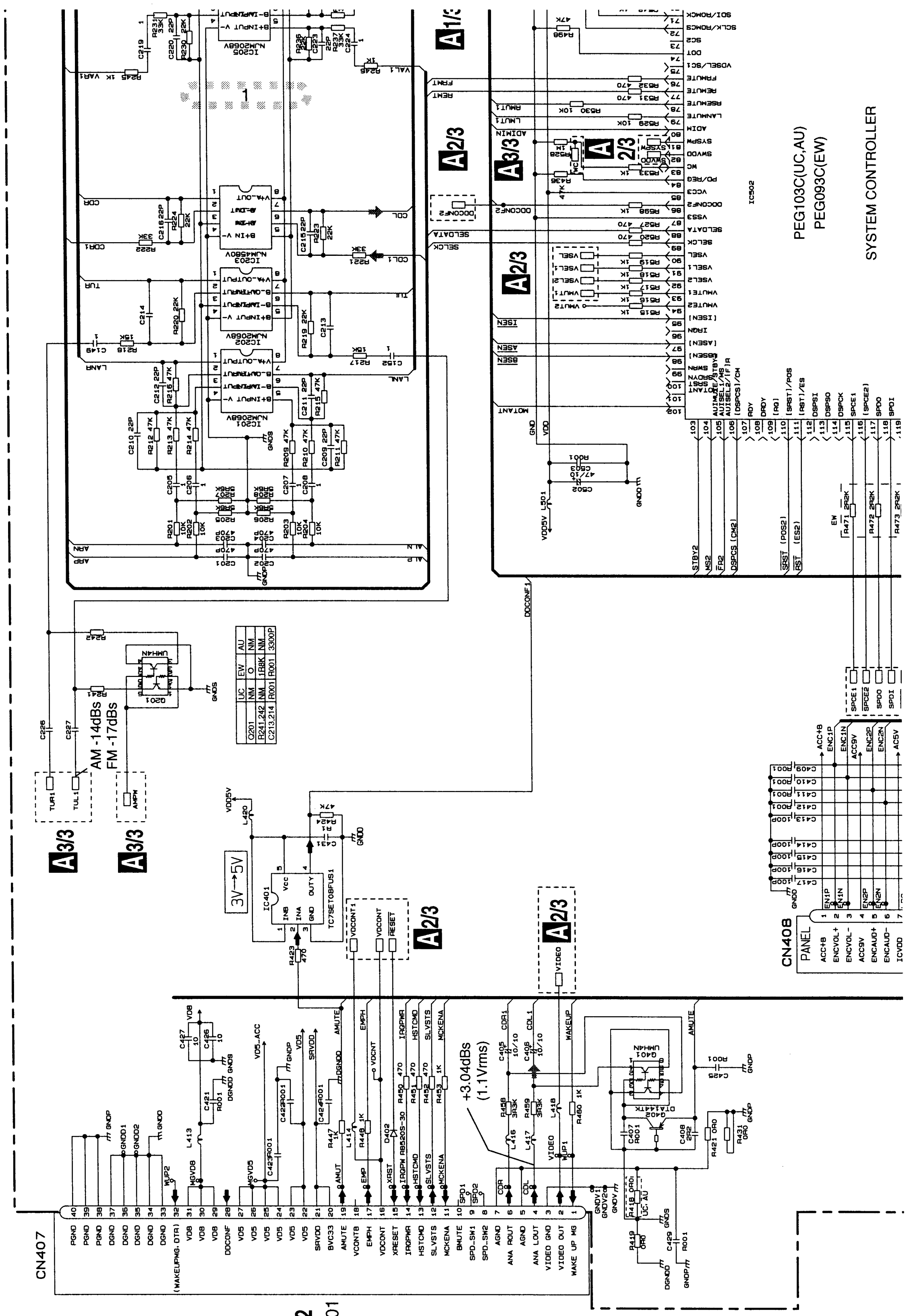
A 1/3 MAIN UNIT(1/3)


UNBALANCE TO BALANCE CONVERTER
SELECTOR
IC207
BD3843FS
CN301
CN302
CN303
CN304
MG4:8.04dBs
Mini&VTR:7.71dBs
FM:-4.7dBs
AM:-1.7dBs
BUS DRIVER
IC301
HA12240FP
CONTROLLER
93C(UC,AU)
93C(EW)
5V→3V
IC504
TC74VHC08FTS1
A 2/3
A 1/3
A 3/3
R10
UC:3R3K
EW:1R8K
AU:1R2K
D302,303,
C312,313,
C314,315:EW

A 1/3

A

A-b 1/3


SYSTEM CONTROLLER
PEG103C(UC,AU)
PEG093C(EW)
IC502
A1/3
A2/3
A3/3
2/3
NJM2068V
IC205
NJM4580V
IC203
NJM2068V
IC202
NJM2068V
IC201
UMH4N
Q201
AM -14dBs
FM -17dBs
TUR1
TUL1
AMPW
IC401
TC7SET08FUS1
3V→5V
VDD5V
VDCONT1
VDCONT
RESET
VIDEO
DDCONF1
+3.04dBs
(1.1Vrms)
UMH4N
Q401
DTA144TK
Q402
CN407
E2/2
CN1901
CN408
PANEL
ACC+B
ENCVOL+
ENCVOL-
ACC5V
ENCAUD+
ENCAUD-
ICVDD
SPCE1
SPCE2
SPDO
SPDI

	UC	EW	AU
Q201	NM	O	NM
R241,242	NM	1R8K	NM
C213,214	R001	R001	3300P

B

C

D

A-a A-b

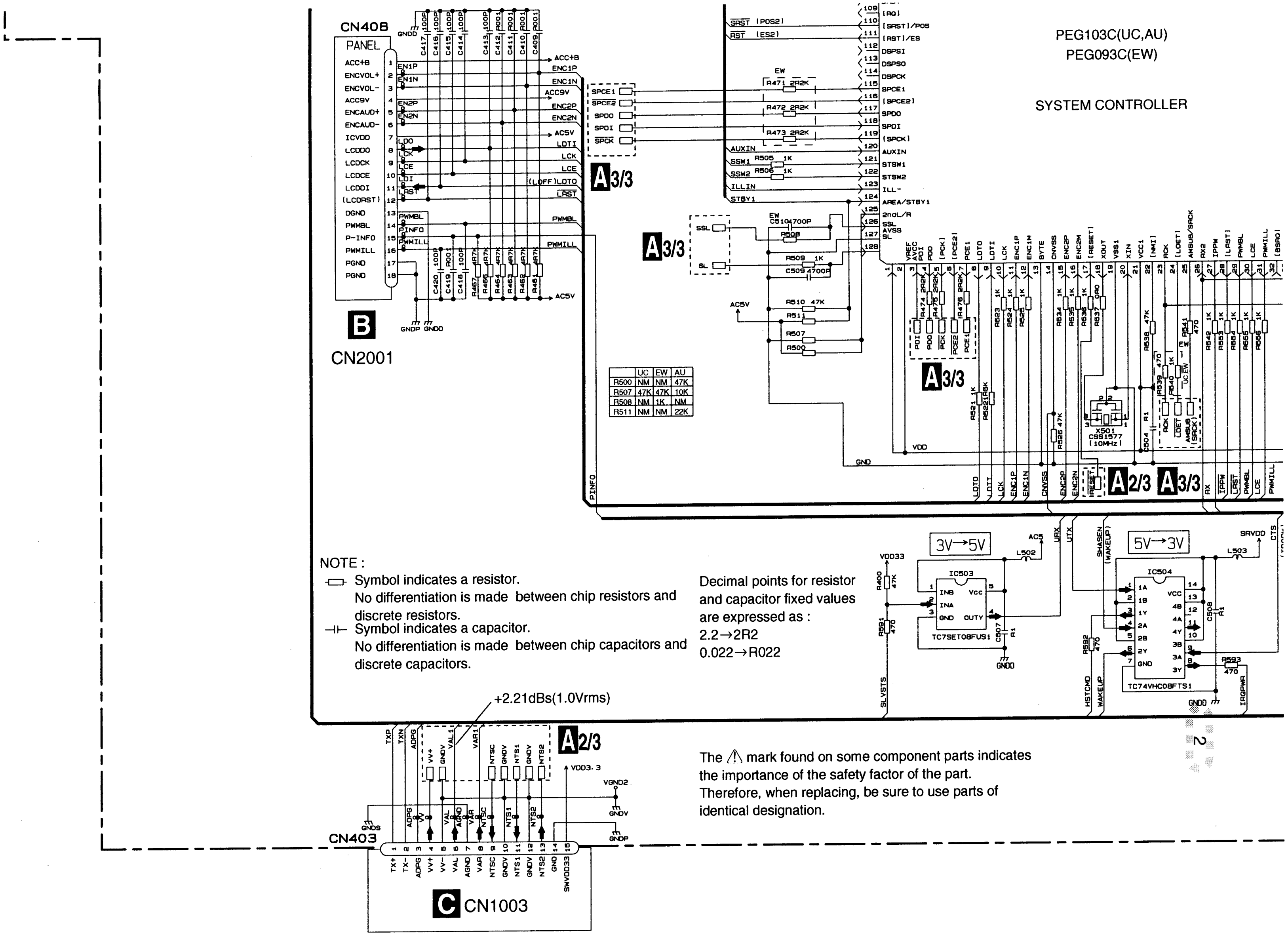
E

F

A-a 1/3

PEG103C(UC,AU)
PEG093C(EW)

SYSTEM CONTROLLER


CN408
PANEL
ACC+B
ENCVOL+
ENCVOL-
ACC9V
ENCAUD+
ENCAUD-
ICVDD
LCDDO
LCDCK
LCDCE
LCDDI
(LCDRST)
DGND
PWMBL
P-INFO
PWMILL
PGND
PGND
B
CN2001
GNDP GNDD
SPCE1
SPCE2
SPDO
SPDI
SPCK
A3/3
SSL
SL
IC503
TC7SET08FUS1
3V→5V
IC504
TC74VHC08FTS1
5V→3V
X501
CSS1577
(10MHz)
A2/3
VDD
GND
PINFO
VDD33
SRVDD
AC5V
CN403
C CN1003
TX+
TX-
ADPG
VV+
VV-
VAL
AGND
VAR
NTSC
GNDV
NTS1
GNDV
NTS2
GND
SWVDD33
VDD3.3
VGND2
GNDV
GNDP
GNDS

	UC	EW	AU
R500	NM	NM	47K
R507	47K	47K	10K
R508	NM	1K	NM
R511	NM	NM	22K

NOTE :

–▭– Symbol indicates a resistor.
No differentiation is made between chip resistors and discrete resistors.

–||– Symbol indicates a capacitor.
No differentiation is made between chip capacitors and discrete capacitors.

Decimal points for resistor and capacitor fixed values are expressed as :
2.2→2R2
0.022→R022

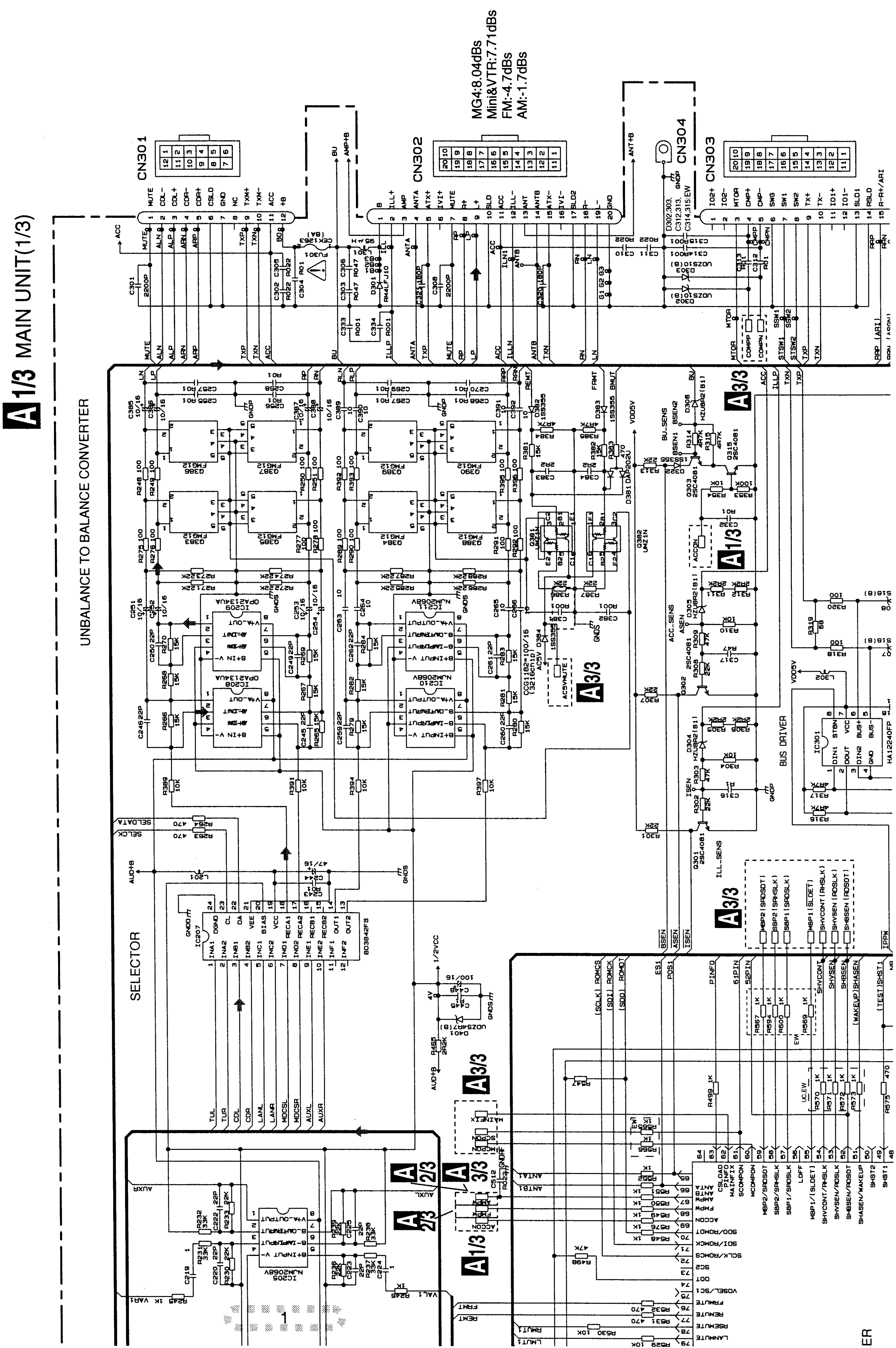
+2.21dBs(1.0Vrms)

The ⚠ mark found on some component parts indicates the importance of the safety factor of the part.
Therefore, when replacing, be sure to use parts of identical designation.

A-a 1/3

A-b 1/3

A-a A-b


A 1/3 MAIN UNIT(1/3)
UNBALANCE TO BALANCE CONVERTER
SELECTOR
BUS DRIVER
CN301
CN302
CN303
CN304
MG4:8.04dBs
Mini&VTR:7.71dBs
FM:-4.7dBs
AM:-1.7dBs
IC205 NJM2068V
IC207 BD3842FS
IC208 OPA2134UA
IC209 OPA2134UA
IC210 NJM2068V
IC211 NJM2068V
IC301 HA12240FP
FU301
A 2/3
A 3/3
A 1/3
ACC_SENS
BU_SENS
ILL_SENS
AUD+B
SELDATA
SELCK

A-b 1/3

5 6 7 8

A

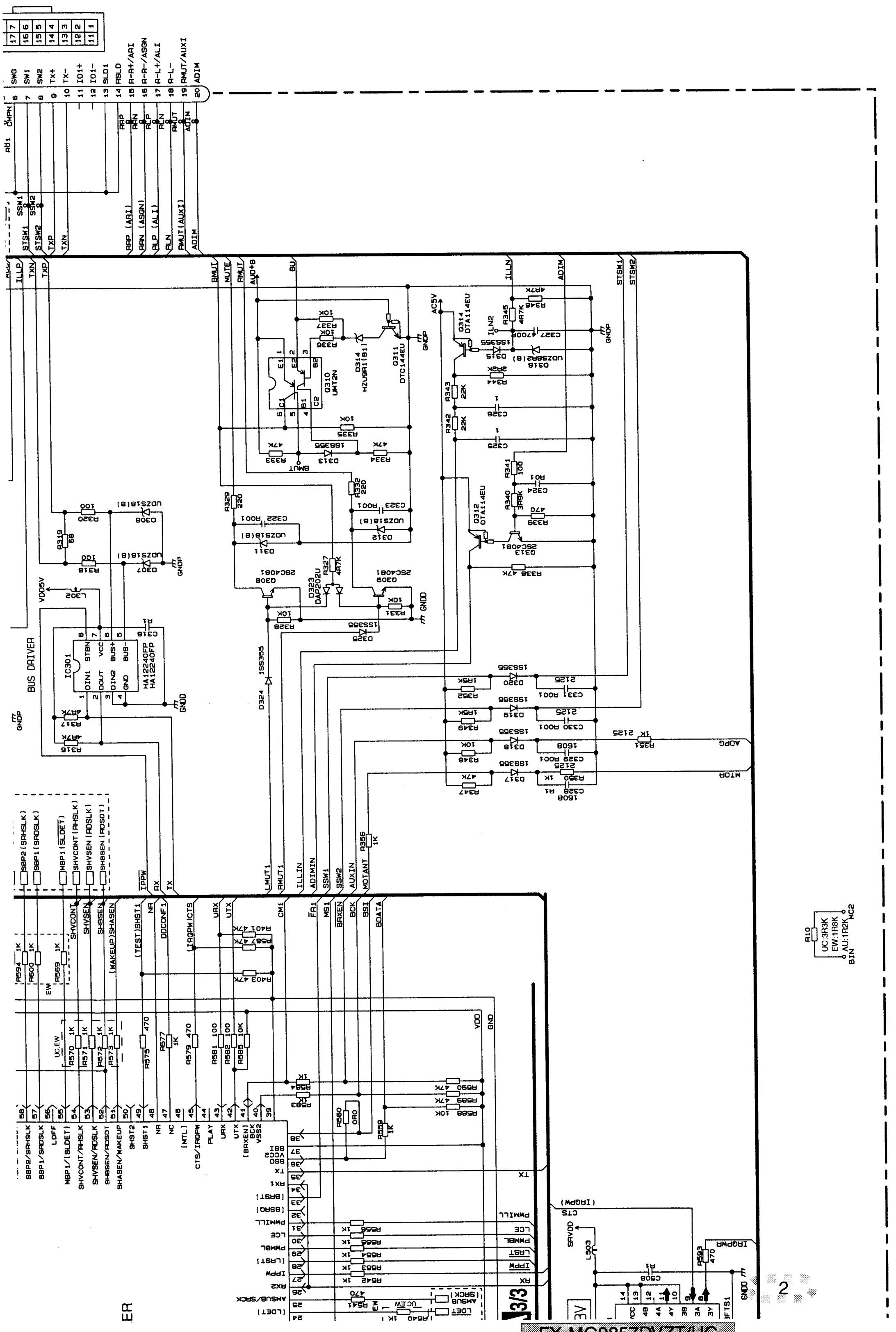
B

C

D

E

F


BUS DRIVER
IC301
HA12240FP
H A12240FP
Q310 UMT2N
Q311 DTC144EU
Q312 DTA114EU
Q313 2SC4081
Q314 DTA114EU
Q308 2SC4081
Q309 2SC4081
D323 DAP202U
D314 HZU8R1(B1)
D324 1SS355
GNDP
GNDD
VDD5V
AC5V
ADIM
RMUT
MUTE
BMUT
ILLN
STSW1
STSW2
TXN
TXP
ADPG
MTOR
SWG
SW1
SW2
TX+
TX-
IO1+
IO1-
SLD1
RSLD
R-R+/ARI
R-R-/ASGN
R-L+/ALI
R-L-
RMUT/AUXI
ADIM
LMUT1
RMUT1
ILLIN
ADIMIN
SSW1
SSW2
AUXIN
MOTANT
TX
RX
IPPW
CM1
BCK
BSI
BDATA
VDD
GND
R10
UC:3R3K
EW:1R8K
AU:1R2K
BIN
MC2
SAVDD
L503
CTS
(IRQPW)
IRQPWR
R593 470
GNDD
FTS1
3/3
3V

A-a A-b

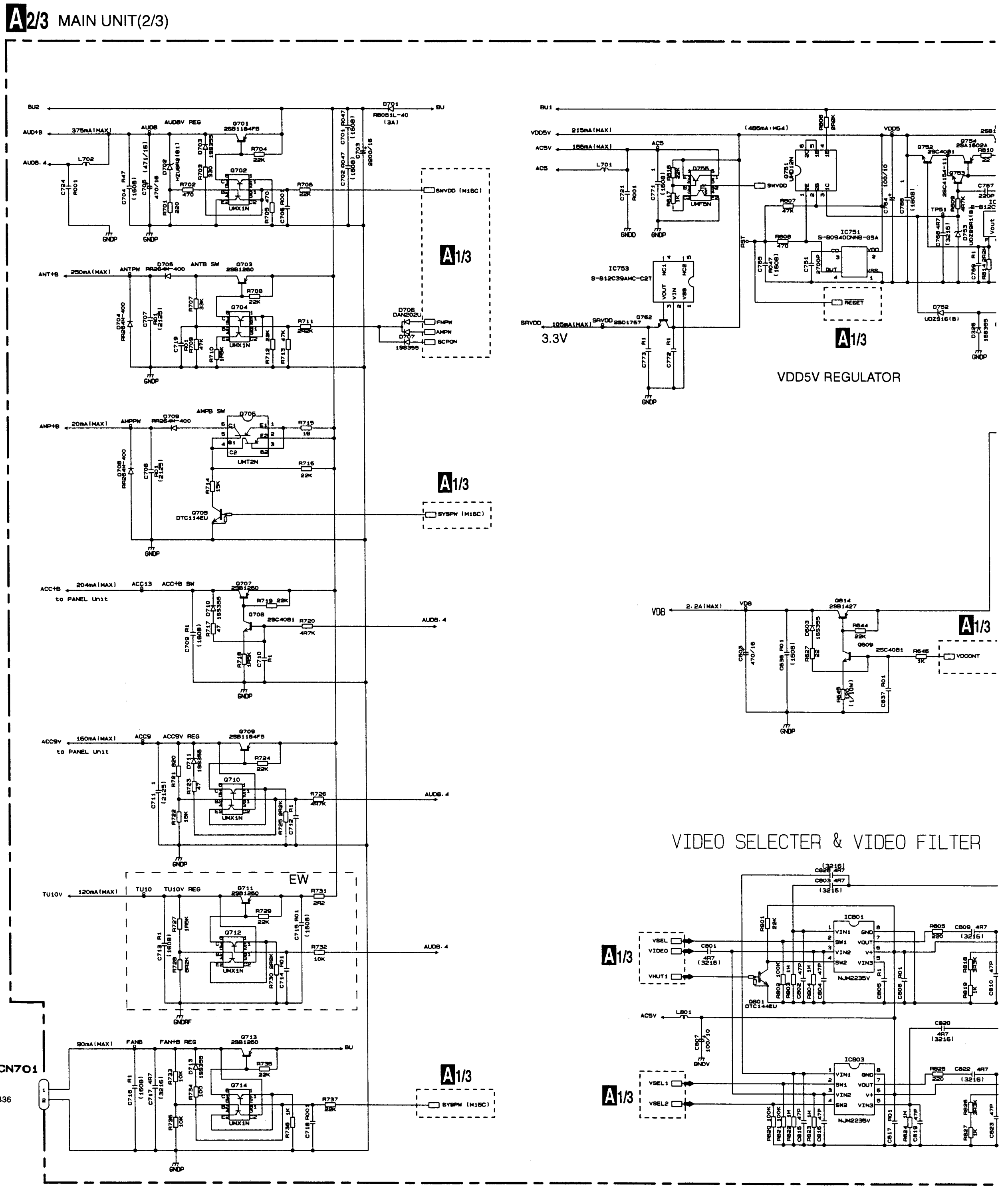
A-b 1/3

FX-MG9857DVZT/UC

5 6 7 8

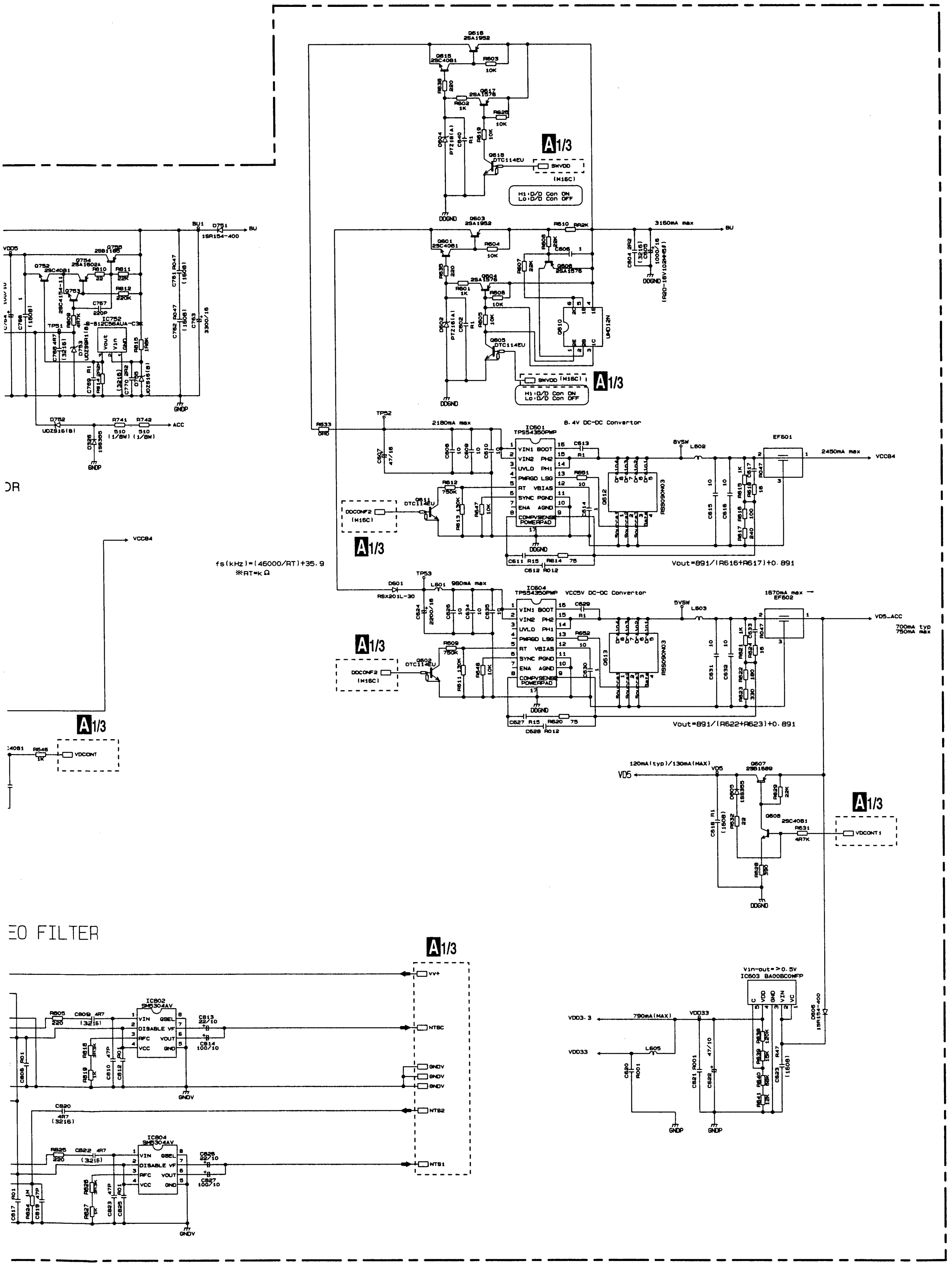
3.3 MAIN UNIT(2/3)(GUIDE PAGE)

A-a 2/3


A2/3 MAIN UNIT(2/3)
A1/3
A1/3
A1/3
A1/3
A1/3
A1/3
A1/3
AUD8V REG
ANTB SW
AMPB SW
ACC+B SW
ACC9V REG
TU10V REG
FAN+B REG
EW
3.3V
VDD5V REGULATOR
VIDEO SELECTER & VIDEO FILTER
IC751 S-80940CNNB-G9A
IC753 S-812C39AMC-C2T
IC801 NJM2235V
IC803 NJM2235V
CN701
M1001
CXM1336
to PANEL Unit
to PANEL Unit
VD8
BU2
BU1
BU
AUD+B
ANT+B
AMP+B
ACC+B
ACC9V
TU10V
VDD5V
ACSV
AC5
SRVDD
AUD8.4
SWVDD (M16C)
SYSPW (M16C)
SYSPW (M16C)
FMPW
AMPW
SCPON
RESET
VDCONT
VSEL
VIDEO
VMUT1
VSEL1
VSEL2
GNDP
GNDD
GNDRF
GNDV

A2/3

A-b 2/3


A 1/3
SWVDD (M16C)
Hi:D/D Con ON
Lo:D/D Con OFF
Q616 2SA1952
Q615 2SC4081
Q617 2SA1576
Q618 DTC114EU
Q603 2SA1952
Q601 2SC4081
Q604 2SA1576
Q605 DTC114EU
Q606 2SA1576
Q610 UMD12N
BU1 D751 1SR154-400
BU
3160mA max
DDGND
GNDP
ACC
VDD5
IC752 S-812C56AUA-C3K
D752 UDZS16(B)
R741 510 (1/8W)
R742 510 (1/8W)
TP52
2180mA max
IC601 TPS54350PWP
8.4V DC-DC Convertor
8VSW
L602
EF501
2450mA max
VCC84
Q612 RSS090N03
Q611 DTC114EU
DDCONF2 (M16C)
Vout=891/(R616+R617)+0.891
fs(kHz)=(46000/RT)+35.9
※RT=kΩ
D601 RSX201L-30
TP53
L601 980mA max
IC604 TPS54350PWP
VCC5V DC-DC Convertor
5VSW
L603
1870mA max
EF502
VD5_ACC
700mA typ
750mA max
Q613 RSS090N03
Q602 DTC114EU
Vout=891/(R622+R623)+0.891
VDCONT
120mA(typ)/130mA(MAX)
VD5
Q607 2SB1689
Q608 2SC4081
VDCONT1
EO FILTER
IC802 SM5304AV
IC804 SM5304AV
VV+
NTSC
GNDV
NTS2
NTS1
Vin-out=>0.5V
IC603 BA00BC0WFP
VDD3.3
790mA(MAX)
VDD33
L605
D606 1SR154-400
VCC84
DR

A 2/3

A

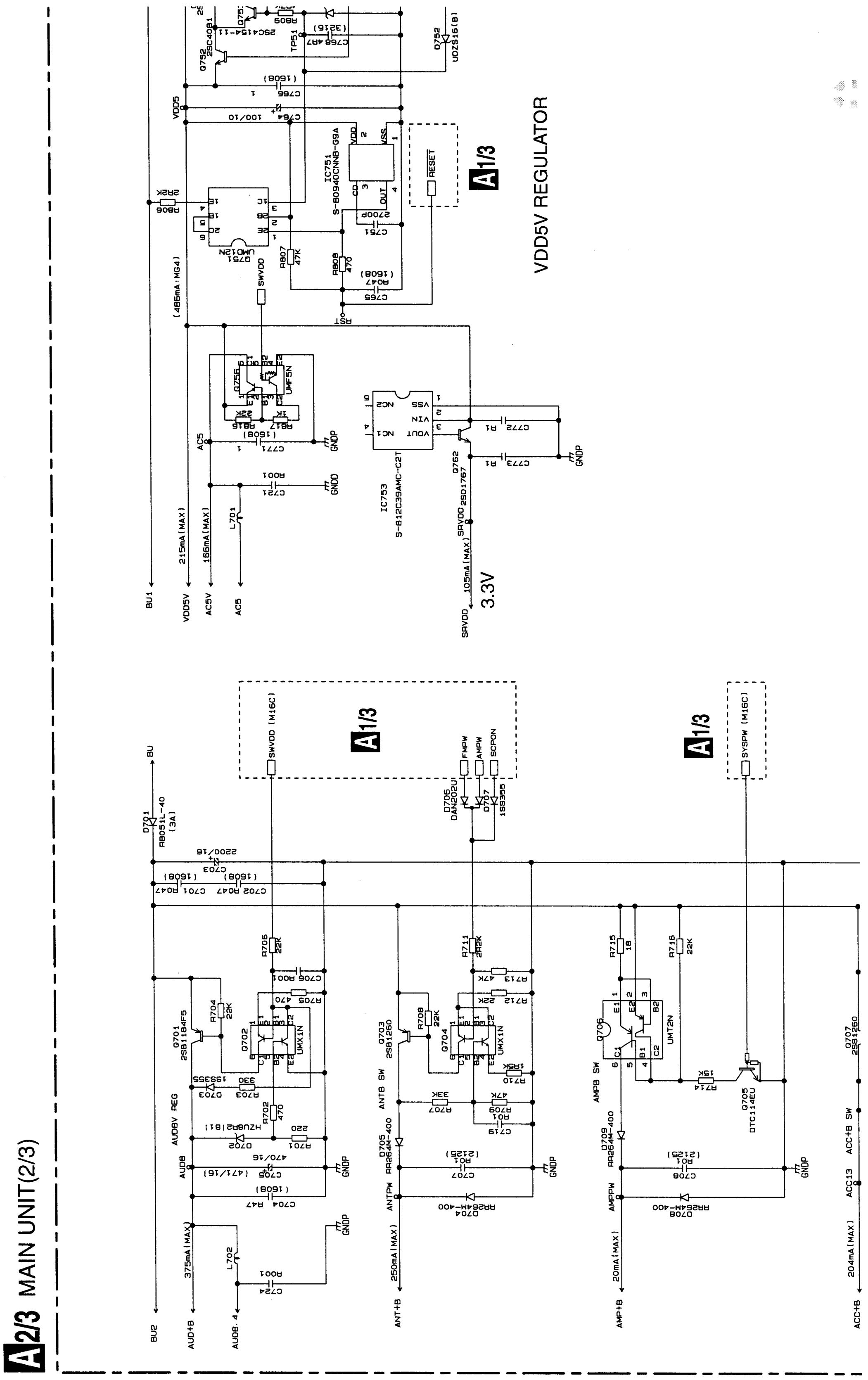
A-b 2/3

B

C

A-b
A-a

D

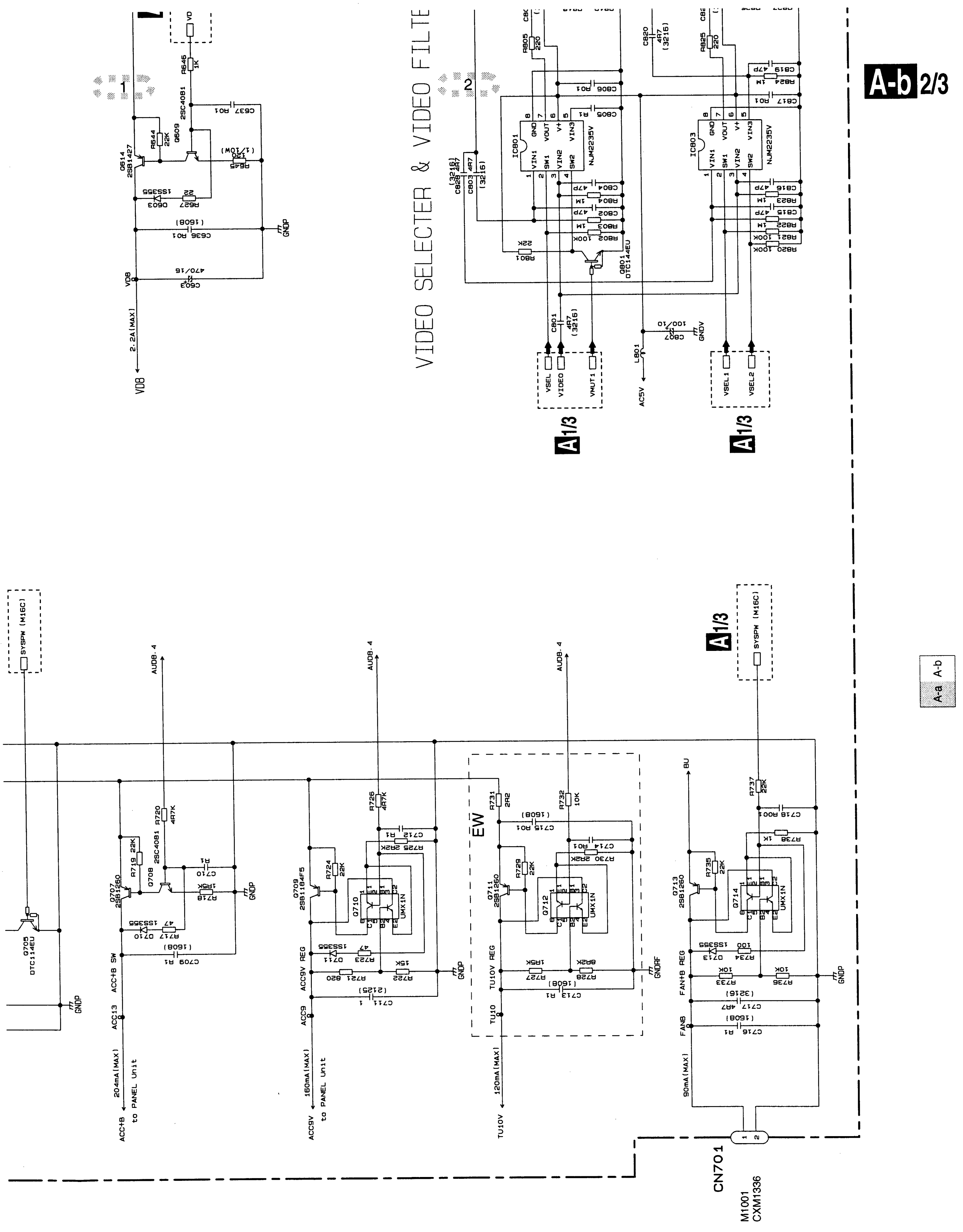

VDD5V REGULATOR
A 2/3 MAIN UNIT(2/3)
A 1/3
IC751 S-80940CNMB-G9A
VDD
VSS
CD
OUT
Q751 UMD12N
Q752 2SC4081
2SC4154-11
TP51
R809
C768 4R7 (3216)
D752 UDZS16(B)
C766 1 (1608)
C764 100/10
VDD5
R806 2R2K
R807 47K
R808 470
C765 R047 (1608)
C751 2700P
RESET
SWVDD
RST
(486mA:MG4)
Q756 UMF5N
R816 22K
R817 1K
C771 1 (1608)
AC5
GNDP
C721 R001
GNDD
L701
IC753 S-812C39AMC-C2T
VOUT
VIN
VSS
NC1
NC2
Q762 2SD1767
C772 R1
C773 R1
SRVDD
105mA(MAX)
3.3V
215mA(MAX)
166mA(MAX)
BU1
VDD5V
AC5V
AC5
SWVDD (M16C)
FMPW
AMPW
SCPON
SYSPW (M16C)
D706 DAN202U
D707 1SS355
D701 RB051L-40 (3A)
BU
C703 2200/16
C701 R047 (1608)
C702 R047 (1608)
R706 22K
C706 R001
R705 470
Q701 2SB1184F5
R704 22K
Q702 UMX1N
D703 1SS355
R703 330
R702 470
D702 HZU8R2(B1)
R701 220
AUD8V REG
AUD8
C705 470/16 (471/16)
C704 R47 (1608)
375mA(MAX)
L702
C724 R001
BU2
AUD+B
AUD8.4
R711 2R2K
R713 47K
R712 22K
Q703 2SB1260
R708 22K
Q704 UMX1N
R710 4R6K
R707 33K
R709 47K
C719 R01
ANTB SW
D705 RR264M-400
C707 R01 (2125)
ANTPW
D704 RR264M-400
250mA(MAX)
ANT+B
R715 18
R716 22K
Q706 UMT2N
R714 15K
Q705 DTC114EU
AMPB SW
D709 RR264M-400
C708 R01 (2125)
AMPPW
D708 RR264M-400
20mA(MAX)
AMP+B
Q707 2SB1260
ACC+B SW
ACC13
204mA(MAX)
ACC+B

E

F

A-a 2/3

A-b 2/3


VIDEO SELECTER & VIDEO FILTE
1
2
IC801
NJM2235V
IC803
NJM2235V
VIN1
SW1
VIN2
SW2
GND
VOUT
V+
VIN3
Q801
DTC144EU
VSEL
VIDEO
VMUT1
VSEL1
VSEL2
A1/3
AC5V
L801
C807 100/10
GNDV
C801 4R7 (3216)
R805 220
R825 220
VDB
2.2A(MAX)
VD8
C603 470/16
C636 R01 (1608)
Q614 2SB1427
Q609 2SC4081
R644 22K
R645 120 (1/10W)
R646 1K
R627 22
D603 1SS355
C637 R01
VD
GNDP
SYSPW (M16C)
Q705 DTC114EU
AUDB.4
Q707 2SB1260
Q708 2SC4081
R719 22K
R720 4R7K
R718 1R5K
D710 1SS355
C709 R1 (1608)
ACC+B SW
ACC13
ACC+B
204mA(MAX)
to PANEL Unit
Q709 2SB1184F5
Q710 UMX1N
R724 22K
R726 4R7K
R725 2R2K
C712 R1
D711 1SS355
R721 820
R722 15K
C711 1 (2125)
ACC9V REG
ACC9
ACC9V
160mA(MAX)
to PANEL Unit
EW
Q711 2SB1260
Q712 UMX1N
R729 22K
R731 2R2
R732 10K
R730 2R2K
C714 R01
C715 R01 (1608)
R727 1R5K
R728 8R2K
C713 R1 (1608)
TU10V REG
TU10
TU10V
120mA(MAX)
GNDHF
BU
Q713 2SB1260
Q714 UMX1N
R735 22K
R737 22K
R738 1K
C718 R01
D713 1SS355
R734 100
R733 10K
R736 10K
C717 4R7 (3216)
C716 R1 (1608)
FAN+B REG
FAN8
90mA(MAX)
CN701
M1001
CXM1336

A-a A-b

A-a 2/3

A

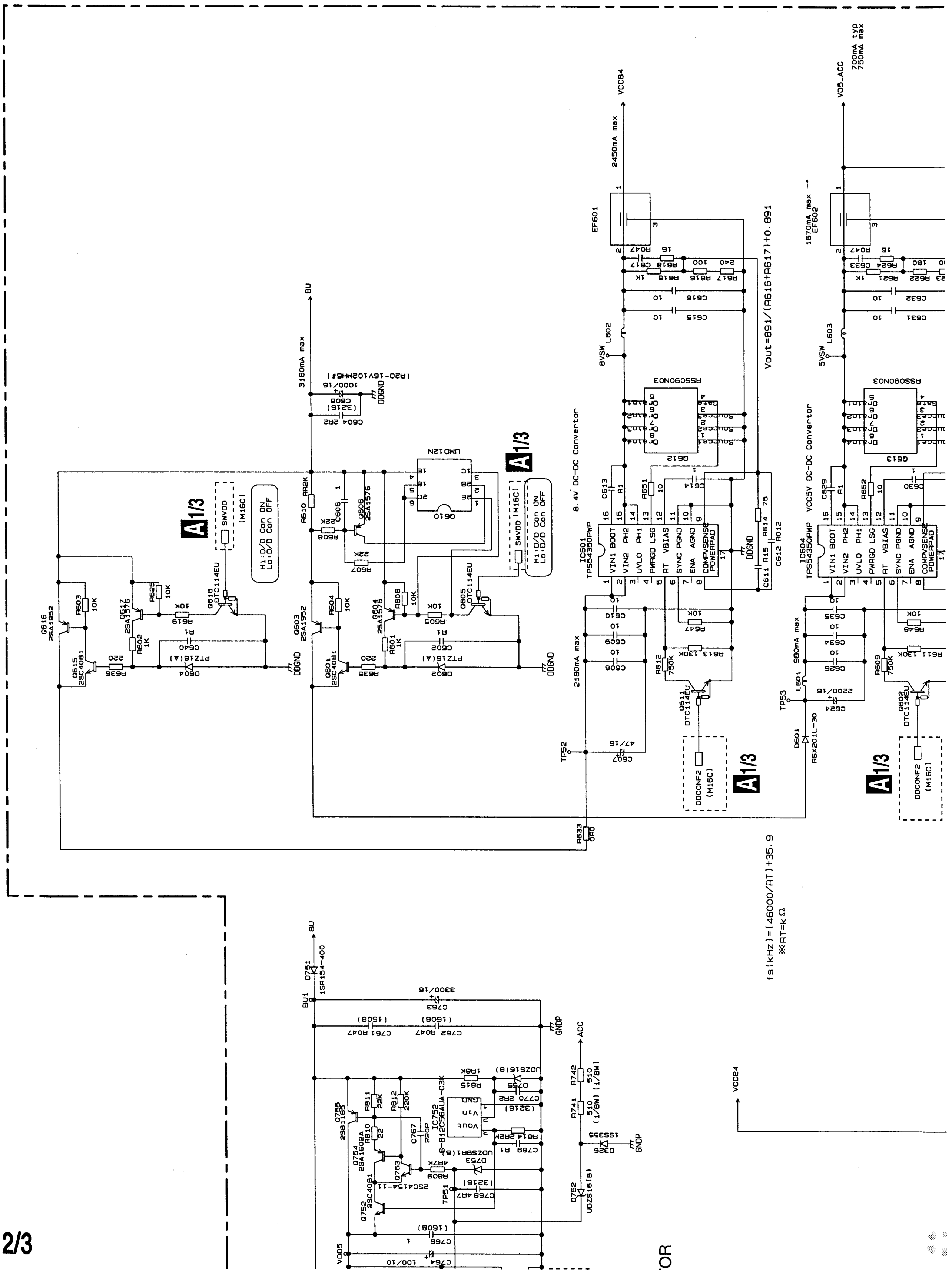
B

C

D

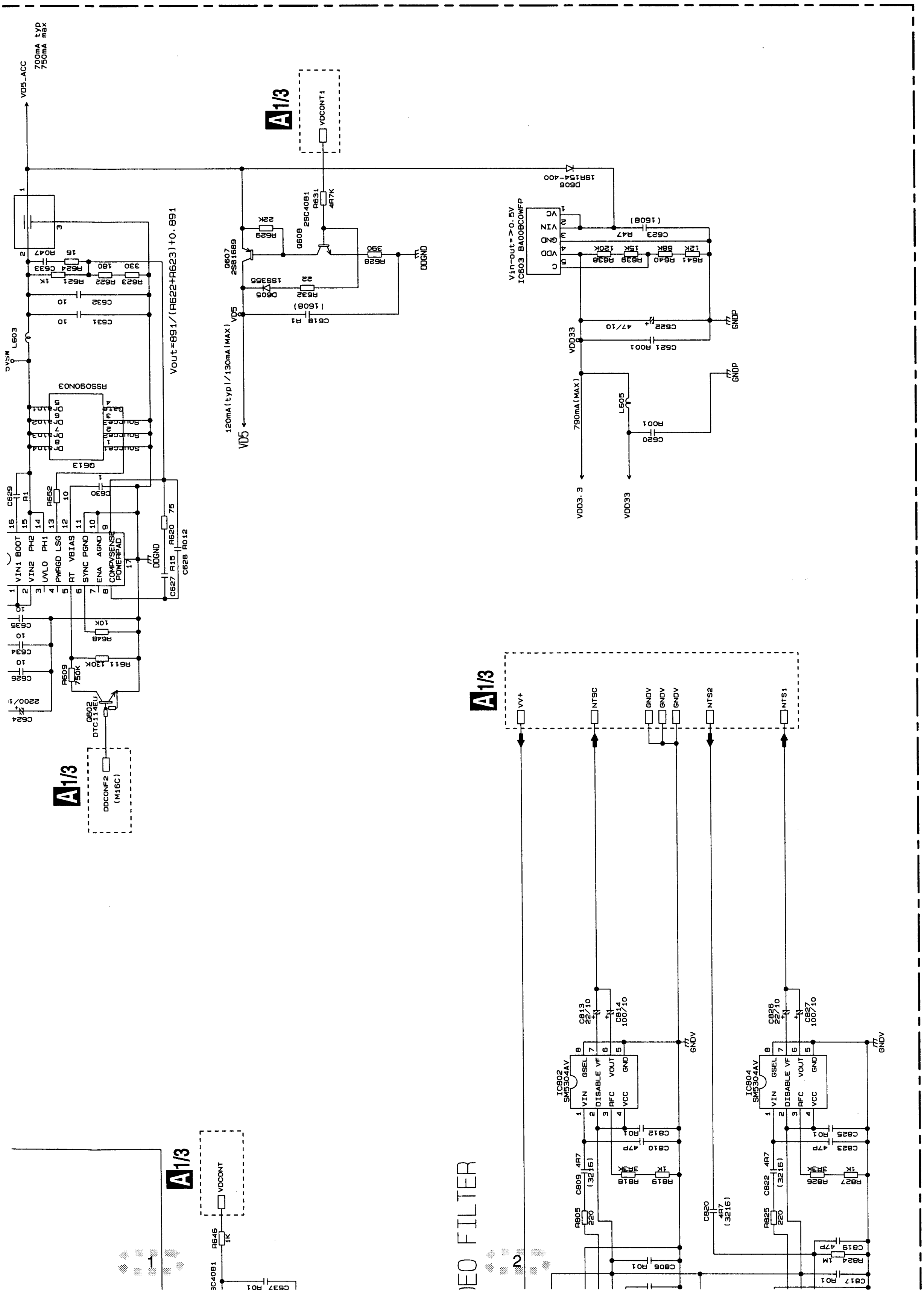
E

F


VCC84
2450mA max
EF601
Vout=891/(R616+R617)+0.891
8.4V DC-DC Convertor
IC601
TPS54350PWP
VIN1 BOOT
VIN2 PH2
UVLO PH1
PWRGD LSG
RT VBIAS
SYNC PGND
ENA AGND
COMPVSENSE
POWERPAD
RSS090N03
Q612
L602
8VSW
2180mA max
TP52
C607
47/16
DDCONF2
(M16C)
A1/3
Q611
DTC114EU
R612
750K
R613
130K
R647
10K
BU
3160mA max
C604 2R2
C605
(3216)
1000/16
(R20-16V102MHS#)
DDGND
UM012N
Q610
R610 2R2K
Q606
2SA1576
R608
22K
R607
22K
Q603
2SA1952
Q601
2SC4081
R604
10K
Q604
2SA1576
R606
10K
R605
10K
Q605
DTC114EU
C602
R1
D602
PTZ16(A)
R635
220
R601
1K
SWVDD
(M16C)
Hi:D/D Con ON
Lo:D/D Con OFF
Q616
2SA1952
Q615
2SC4081
R603
10K
Q617
2SA1576
R625
10K
R619
10K
Q618
DTC114EU
R602
1K
C640
R1
D604
PTZ16(A)
R636
220
R633
0R0
V05_ACC
700mA typ
750mA max
1670mA max
EF602
5VSW
L603
IC604
TPS54350PWP
VCC5V DC-DC Convertor
RSS090N03
Q613
980mA max
L601
TP53
D601
RSX201L-30
C624
2200/16
R609
750K
Q602
DTC114EU
DDCONF2
(M16C)
A1/3
fs(kHz)=(46000/RT)+35.9
※RT=kΩ
BU
D751
1SR154-400
BU1
C763
3300/16
C762 R047
(1608)
C761 R047
(1608)
GNDP
ACC
R742
510
(1/8W)
R741
510
(1/8W)
D326
1SS355
GNDP
D752
UDZS16(B)
VCC84
R815
1R8K
D755
UDZS16(B)
C770 2R2
(3216)
IC752
S-812C56AUA-C3K
Vout
Vin
GND
R814 2R2M
C769 R1
D753
UDZS9R1(B)
R809
4R7K
C768 4R7
(3216)
TP51
R811
22K
R812
220K
C757
220P
R810
22
Q755
2SB1185
Q754
2SA1602A
Q753
2SC4154-11
Q752
2SC4081
C766
1
(1608)
VDD5
C764
100/10
OR

A-a A-b

A-b 2/3

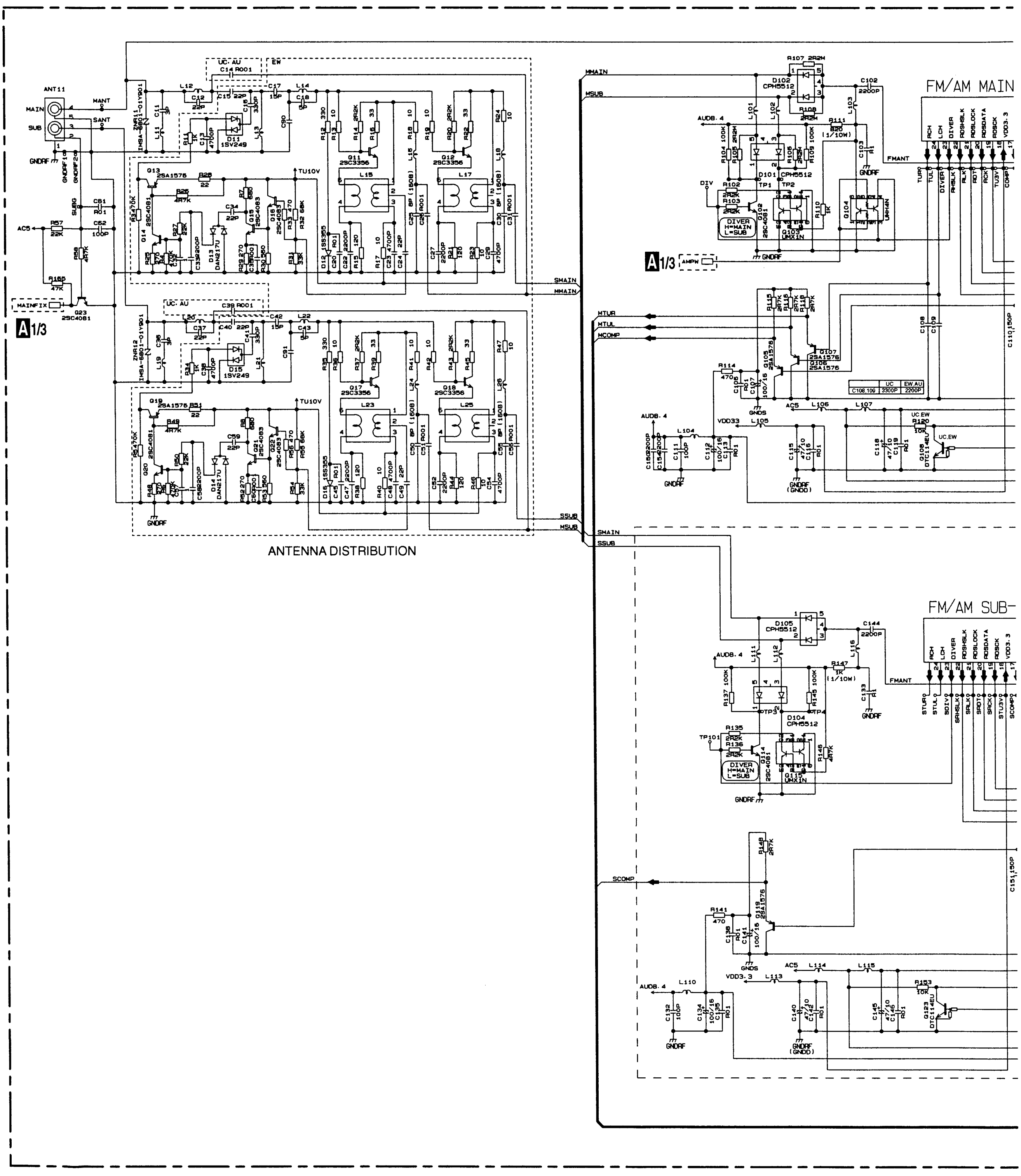

VD5_ACC
700mA typ
750mA max
A1/3
VDCONT1
D606 1SR154-400
R631 4R7K
Q608 2SC4081
Q607 2SB1689
R629 22K
R628 390
DDGND
D605 1SS355
R632 22
C618 R1 (1608)
VD5
120mA(typ)/130mA(MAX)
Vin-out=>0.5V
IC603 BA00BC0WFP
VC VIN GND VDD C
C623 R47 (1608)
R638 120K
R639 15K
R640 68K
R641 12K
VDD33
C622 47/10
C621 R001
GNDP
790mA(MAX)
L605
C620 R001
VDD3.3
VDD33
R047
C633
R624 16
R621 1K
R622 180
R623 330
C632 10
C631 10
L603
VD5AC
Vout=891/(R622+R623)+0.891
RSS090N03
Q613
C629 R1
R552
C630
R620 75
C627 R15
C628 R012
VIN1 BOOT
VIN2 PH2
UVLO PH1
PWRGD LSG
RT VBIAS
SYNC PGND
ENA AGND
COMP/SENSE POWERPAD
C635 10
C634 10
C626 10
C624 2200/10
R648 10K
R611 130K
R609 750K
Q602 DTC114EU
DDCONF2 (M16C)
A1/3
VV+
NTSC
GNDV
NTS2
NTS1
IC802 SM5304AV
IC804 SM5304AV
VIN GSEL
DISABLE VF
RFC VOUT
VCC GND
C813 22/10
C814 100/10
C826 22/10
C827 100/10
C812 R01
C810 47P
R818 3R3K
R819 1K
C809 4R7 (3216)
R805 220
C806 R01
C825 R01
C823 47P
R826 3R3K
R827 1K
C822 4R7 (3216)
R825 220
C820 4R7 (3216)
C819 47P
R824 1M
C817 R01
VDCONT
R645 1K
2SC4081
C637 R01
EO FILTER
1
2

A-a A-b

A-b 2/3

3.4 MAIN UNIT(3/3)(GUIDE PAGE)

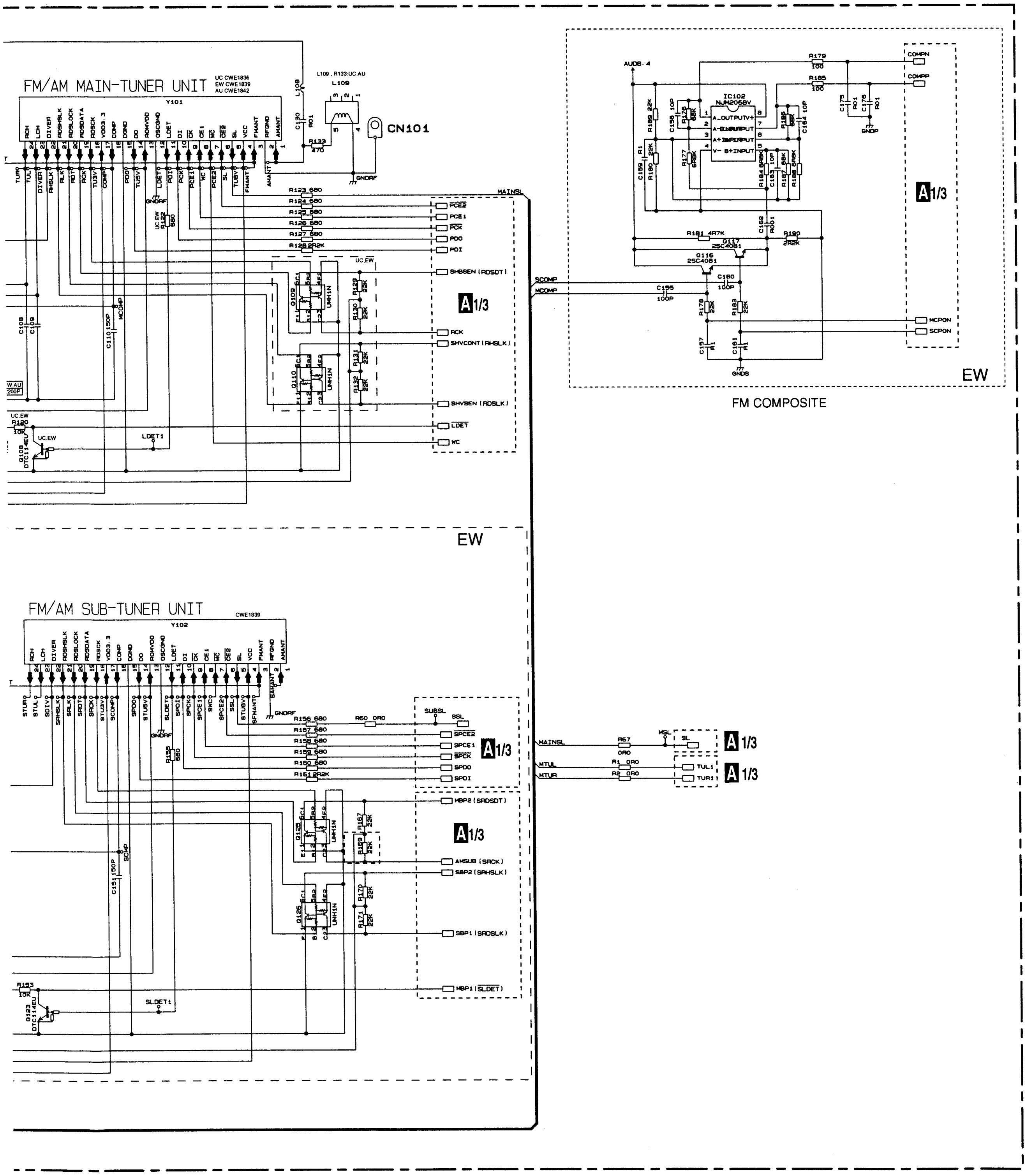
A-a 3/3


A
B
C
D
E
F
ANT11
MAIN
SUB
MANT
SANT
GNDRF
GNDRF1
GNDRF2
SUBG
C61
R01
C62
100P
AC5
R57
22K
R58
4R7K
R165
47K
MAINFIX
Q23
2SC4081
A 1/3
UC: AU
C14 R001
EW
L12
C12
22P
C15 22P
C17
15P
L14
C18
ZNR11
IMSA-6801-01Y901
C11
L11
R11
C13
4700P
D11
1SV249
C16
330P
L13
C90
R12 330
R13 10
R14 2R2K
R15 33
Q11
2SC3356
R18 10
R19 10
R20 2R2K
R22 33
Q12
2SC3356
R24 10
L15
L16
L17
L18
8P (1608)
Q13
2SA1578
R28
22
R26
4R7K
R7 680
C34
22P
Q15
2SC4083
Q16
2SC4083
R33 470
R32 68K
TU10V
R34 470K
Q14
2SC4081
R27
22K
D13
DAN217U
C33 2200P
R29 270
C35 R001
R30 560
R31
33K
D12
1SS355
C20 R01
C22 2200P
R15
R16 120
R17 10
C23 4700P
C24 22P
C27 2200P
R21 120
R23 10
C29 4700P
C31 R001
C21 R001
SMAIN
MMAIN
UC: AU
C39 R001
L20
C37
22P
C40 22P
C42
15P
L22
C43
ZNR12
IMSA-6801-01Y901
C36
L19
R34
1K
C38
4700P
D15
1SV249
C41
330P
L21
C91
R35 330
R36 10
R37 2R2K
R39 33
Q17
2SC3356
R41 10
R42 10
R43 2R2K
R45 33
Q18
2SC3356
R47 10
L23
L24
L25
L26
Q19
2SA1578
R51
22
R49
4R7K
R8 680
C59
22P
Q21
2SC4083
Q22
2SC4083
R56 470
R55 68K
TU10V
R54 470K
Q20
2SC4081
R50
22K
D14
DAN217U
C58 2200P
R52 270
C60 R001
R53 560
R54
33K
D16
1SS355
C45 R01
C47 2200P
R38 120
R40 10
C48 4700P
C49 22P
C52 2200P
R44 120
R46 10
C54 4700P
C50 R001
C51 R001
C53 R001
C56 R001
R48
GNDRF
SSUB
MSUB
ANTENNA DISTRIBUTION
MMAIN
MSUB
R107 2R2M
D102
CPH5512
C102
2200P
FM/AM MAIN
AUD8.4
L101
L102
R108
2R2M
L103
R111
820
(1/10W)
C103
R1
R104 100K
R105 2R2M
R106 2R2M
R109 100K
D101 CPH5512
TP1
TP2
GNDRF
FMANT
DIV
R102
2R2K
R103
2R2K
Q102
2SC4081
R110
1K
Q104
UMH4N
DIVER
H=MAIN
L=SUB
Q103
UMX1N
A 1/3
AMPN
RCH
LCH
DIVER
RDSHSLK
RDSLOCK
RDSDATA
RDSCK
VDD3.3
TURQ
TUL
DIVER
RHSLK
RLK
RDT
RCK
TU3V
COMP
MTUR
MTUL
MCOMP
R115 2R7K
R116 2R7K
R117 2R7K
R118 2R7K
Q105
2SA1578
Q107
2SA1578
Q106
2SA1576
C108
C109
C110 150P
R114
470
C106
C107
R01
100/16
GNDS
AC5
L106
L107
C108,109 UC 3300P EW,AU 2200P
AUD8.4
VDD33
L105
L104
C150 2200P
C154 2200P
C111 100P
C112 100/16
C113 R01
C115 47/10
C116 R01
GNDRF
(GNDD)
C118 47/10
C119 R01
UC.EW
R120
10K
UC.EW
Q108
DTC114EU
SMAIN
SSUB
FM/AM SUB
D105
CPH5512
C144
2200P
AUD8.4
L111
L112
L116
R147
1K
(1/10W)
FMANT
R137 100K
R145 100K
C133
R1
GNDRF
TP3
TP4
D104
CPH5512
TP101
R135
2R2K
R136
2R2K
DIVER
H=MAIN
L=SUB
Q114
2SC4081
Q115
UMX1N
R146
4R7K
GNDRF
RCH
LCH
DIVER
RDSHSLK
RDSLOCK
RDSDATA
RDSCK
VDD3.3
STUR
STUL
SDIV
SRHSLK
SRLK
SRDT
SRCK
STU3V
SCOMP
R148
2R7K
SCOMP
C151 150P
R141
470
Q116
2SA1576
C136
C141 R01
100/16
GNDS
AC5
L114
L115
AUD8.4
L110
VDD3.3
L113
R153
10K
C132 100P
C134 100/16
C135 R01
GNDRF
C140 47/10
C142 R01
GNDRF
(GNDD)
C145 47/10
C146 R01
Q123
DTC114EU

A 3/3

A-b 3/3

A3/3 MAIN UNIT(3/3)


FM/AM MAIN-TUNER UNIT
UC CWE1836
EW CWE1839
AU CWE1842
Y101
CN101
L109
L109, R133:UC,AU
R133 470
GNDRF
MAINSL
PCE2
PCE1
PCK
PDO
PDI
SHBSEN (RDSDT)
RCK
SHVCONT (RHSLK)
SHVSEN (RDSLK)
LDET
WC
LDET1
UC,EW
Q109 UMH1N
Q110 UMH1N
Q108 DTC114EU
R120 10K
C110 150P
EW
A1/3
FM/AM SUB-TUNER UNIT
CWE1839
Y102
SUBSL
SSL
SPCE2
SPCE1
SPCK
SPDO
SPDI
MBP2 (SRDSDT)
AMSUB (SRCK)
SBP2 (SRHSLK)
SBP1 (SRDSLK)
MBP1 (SLDET)
SLDET1
Q125 UMH1N
Q126 UMH1N
Q123 DTC114EU
R153 10K
C151 150P
MAINSL
MTUL
MTUR
MSL
SL
TUL1
TUR1
SCOMP
MCOMP
AUD8.4
IC102
NJM2068V
Q116 2SC4081
Q117 2SC4081
COMPN
COMPP
MCPON
SCPON
GNDS
GNDP
EW
FM COMPOSITE

A

A-b 3/3

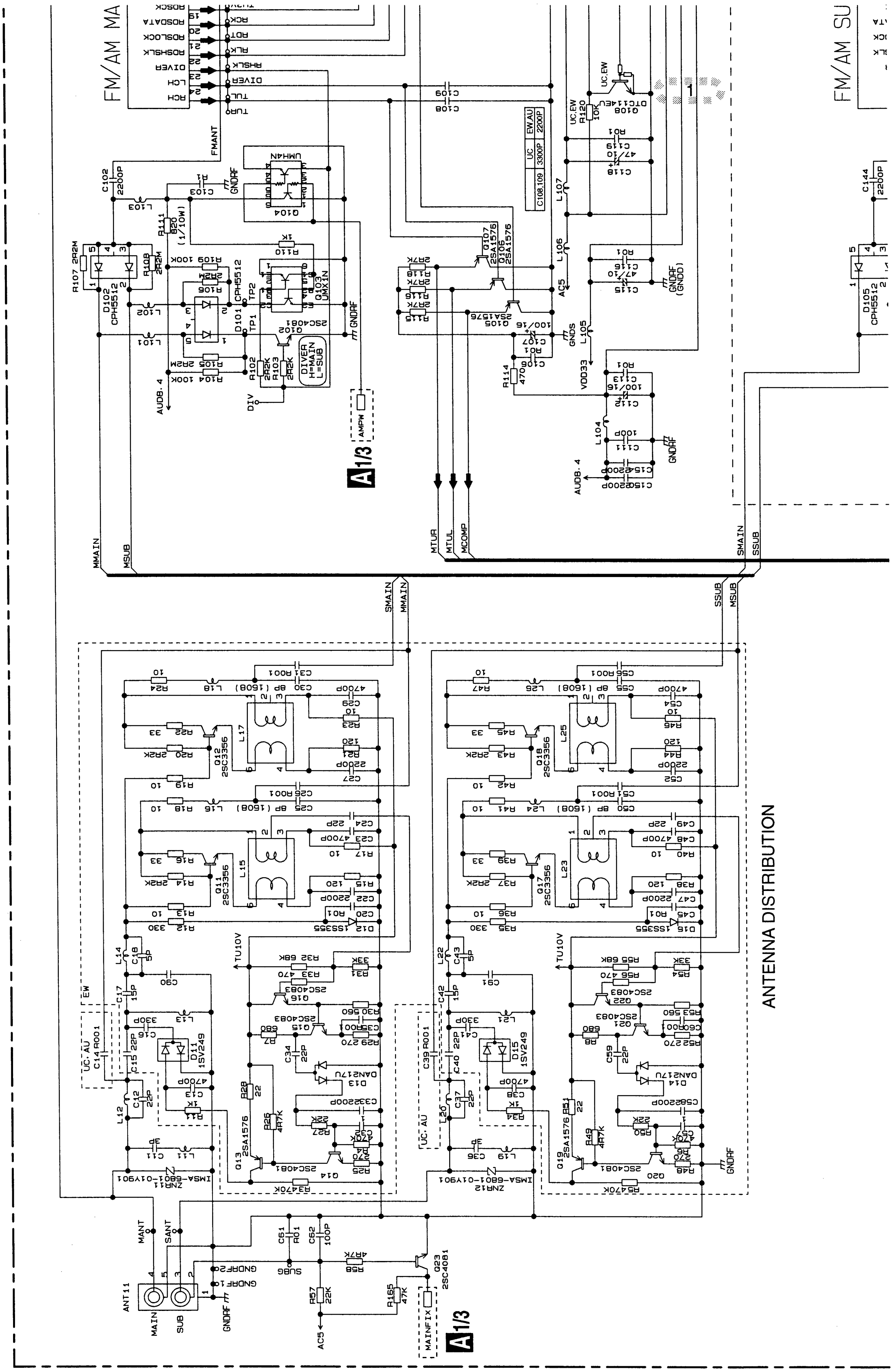
B

C

D

E

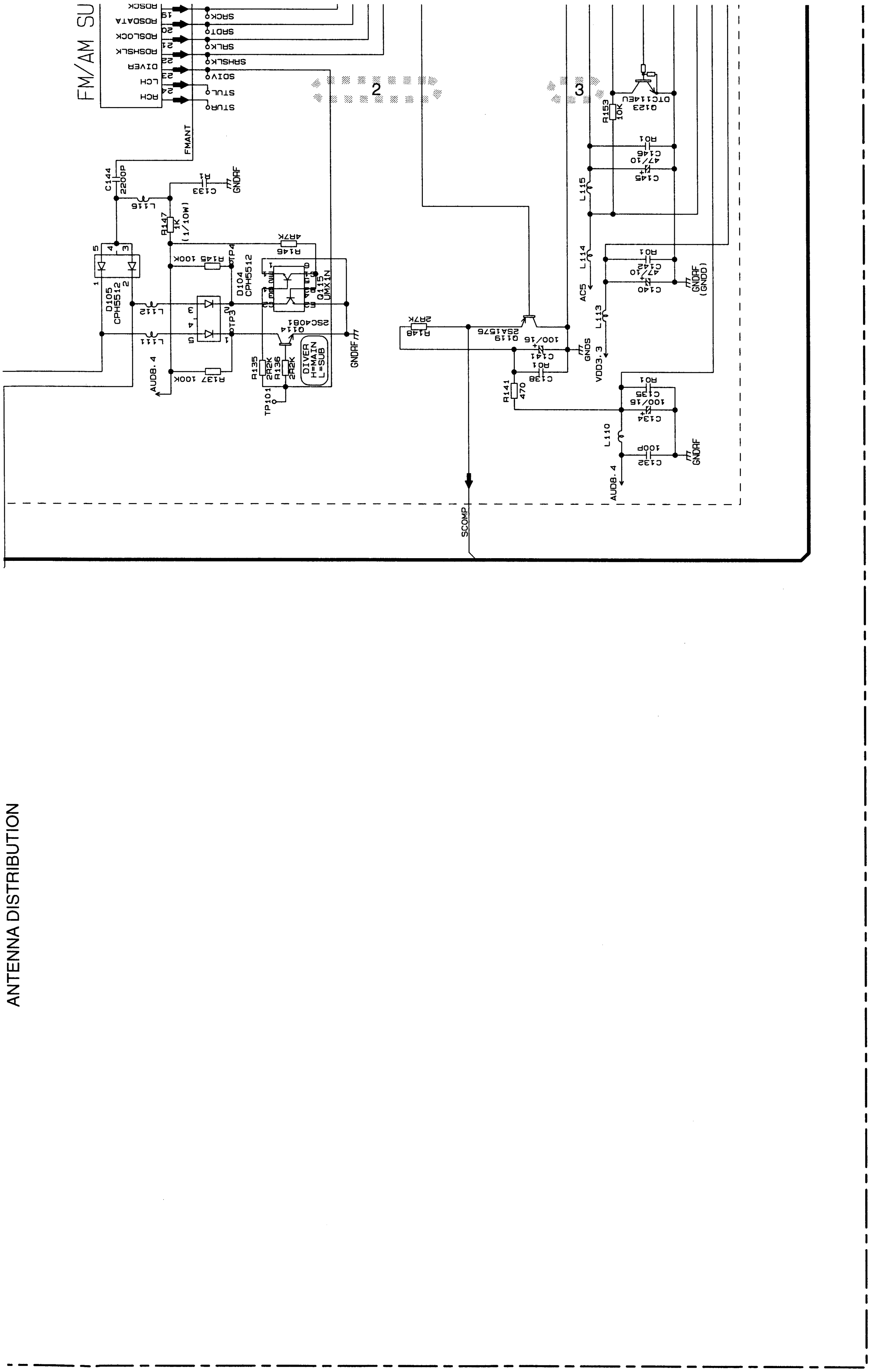
F


FM/AM MA
FM/AM SU
A 1/3
AMPW
DIVER H=MAIN L=SUB
DIV
AUDB.4
VDD33
MMAIN
MSUB
SMAIN
SSUB
MTUR
MTUL
MCOMP
UMH4N
Q104
D101 CPH5512
D102 CPH5512
D105 CPH5512
Q103 UMX1N
Q102 2SC4081
Q105 2SA1576
Q106 2SA1576
Q107 2SA1576
Q108 DTC114EU
ANTENNA DISTRIBUTION
ANT11
MAIN
SUB
MANT
SANT
GNDRF
MAINFIX
Q23 2SC4081
AC5
TU10V
ZNR11 IMSA-6801-01Y901
ZNR12 IMSA-6801-01Y901
UC,AU
EW
A 1/3

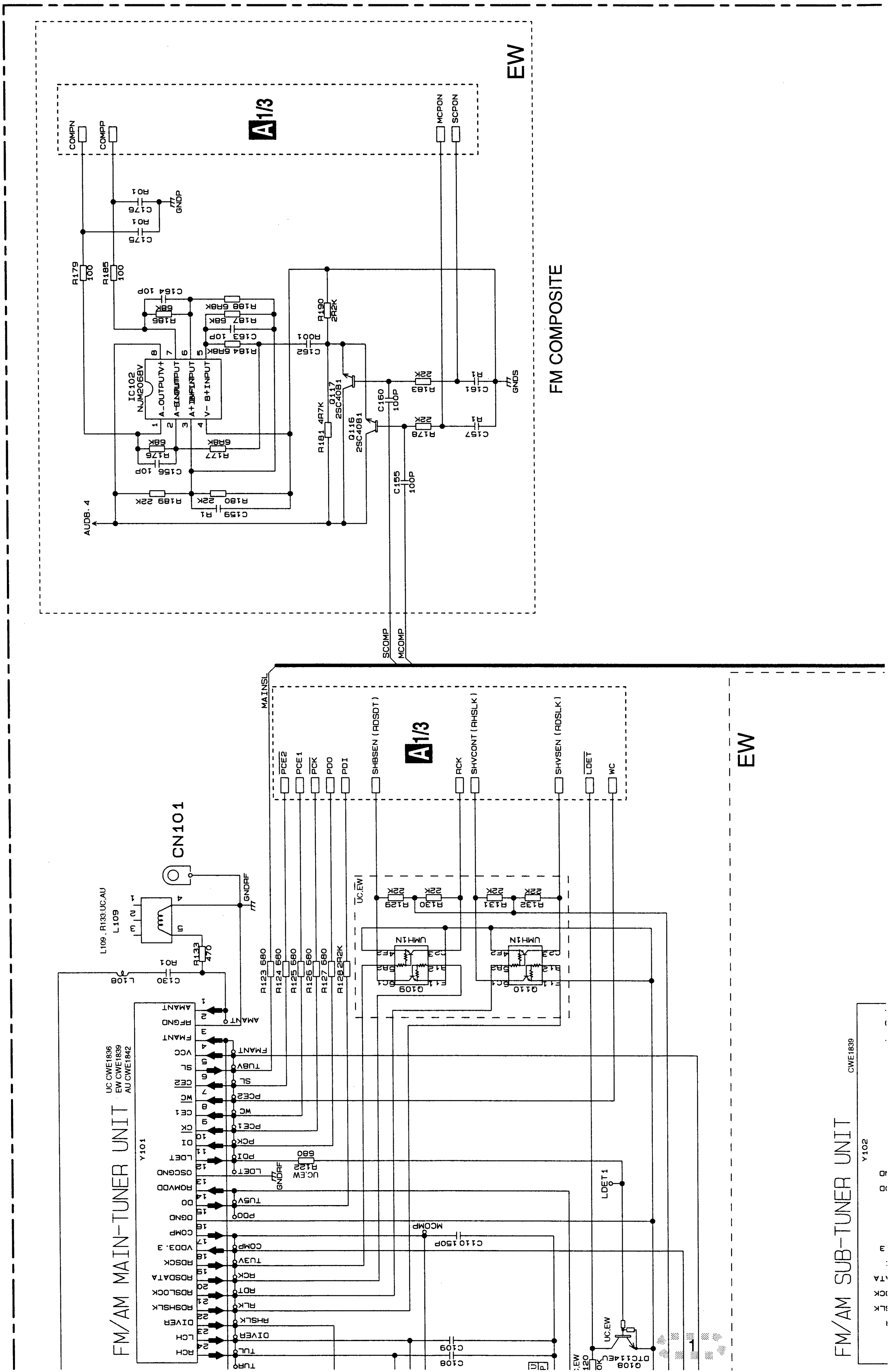
A-a
A-b

A-a 3/3

ANTENNA DISTRIBUTION

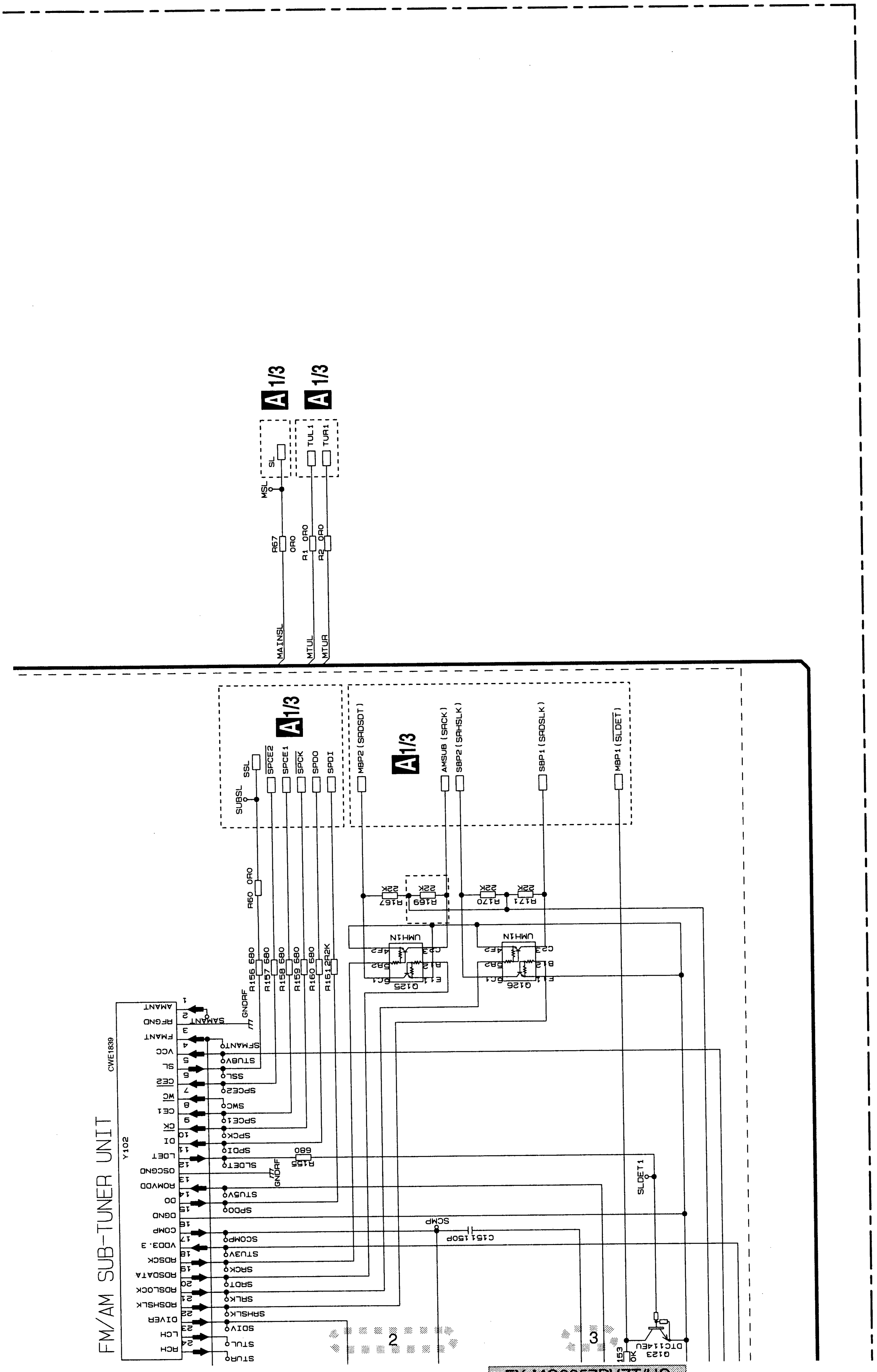

FM/AM SU
RDSCK
RDSDATA
RDSLOCK
RDSHSLK
DIVER
LCH
RCH
19
20
21
22
23
24
SRCK
SRDT
SRLK
SRHSLK
SDIV
STUL
STUR
FMANT
2
3
C144
2200P
L116
C133
R1
GNDRF
R147
1K
(1/10W)
D105
CPH5512
R145 100K
TP4
R146
4R7K
D104
CPH5512
Q115
UMX1N
L112
L111
TP3
Q114
2SC4081
DIVER
H=MAIN
L=SUB
R135
2R2K
R136
2R2K
TP101
R137 100K
AUD8.4
GNDRF
R148
2R7K
Q119
2SA1576
C141
100/16
GNDS
C138
R01
R141
470
SCOMP
VDD3.3
L113
AC5
L114
C140
C142
47/10
R01
GNDRF
(GNDD)
L115
C145
C146
47/10
R01
R153
10K
Q123
DTC114EU
L110
C134
100/16
C135
R01
C132
100P
GNDRF
AUD8.4

A 3/3 MAIN UNIT(3/3)


EW
A 1/3
COMPN
COMPP
MCPON
SCPON
C175 R01
C176 R01
GNDP
R179 100
R185 100
C164 10P
R186 68K
R188 6R8K
R187 68K
C163 10P
R184 6R8K
IC102
NJM2068V
R176 68K
C156 10P
R177 6R8K
R189 22K
R180 22K
C159 R1
AUDB.4
R190 2R2K
R001
C162
Q117 2SC4081
Q116 2SC4081
R181 4R7K
C160 100P
C155 100P
R183 22K
R178 22K
C161 R1
C157 R1
GNDS
FM COMPOSITE
SCOMP
MCOMP
MAINSL
PCE2
PCE1
PCK
PDO
PDI
SHBSEN (RDSDT)
RCK
SHVCONT (RHSLK)
SHVSEN (RDSLK)
LDET
WC
CN101
GNDRF
L109, R133:UC,AU
L109
R133 470
C130 R01
L108
UC,EW
R129 22K
R130 22K
R131 22K
R132 22K
UMH1N
Q109
Q110
R123 680
R124 680
R125 680
R126 680
R127 680
R128 2R2K
Y101
UC CWE1836
EW CWE1839
AU CWE1842
FM/AM MAIN-TUNER UNIT
AMANT
RFGND
FMANT
VCC
SL
CE2
WC
CE1
CK
DI
LDET
OSCGND
ROMVDD
DO
DGND
COMP
VDD3.3
RDSCK
RDSDATA
RDSLOCK
RDSHLK
DIVER
LCH
RCH
TUBV
PCE2
PCE1
PCK
PDI
LDET
TUSV
PDO
R122 680
UC,EW
MCOMP
C110 150P
COMP
TUEV
RCK
RDT
RLK
RHSLK
DIVER
TUL
TUR
C109
C108
LDET1
Q108
DTC114EU
UC,EW
FM/AM SUB-TUNER UNIT
Y102
CWE1839

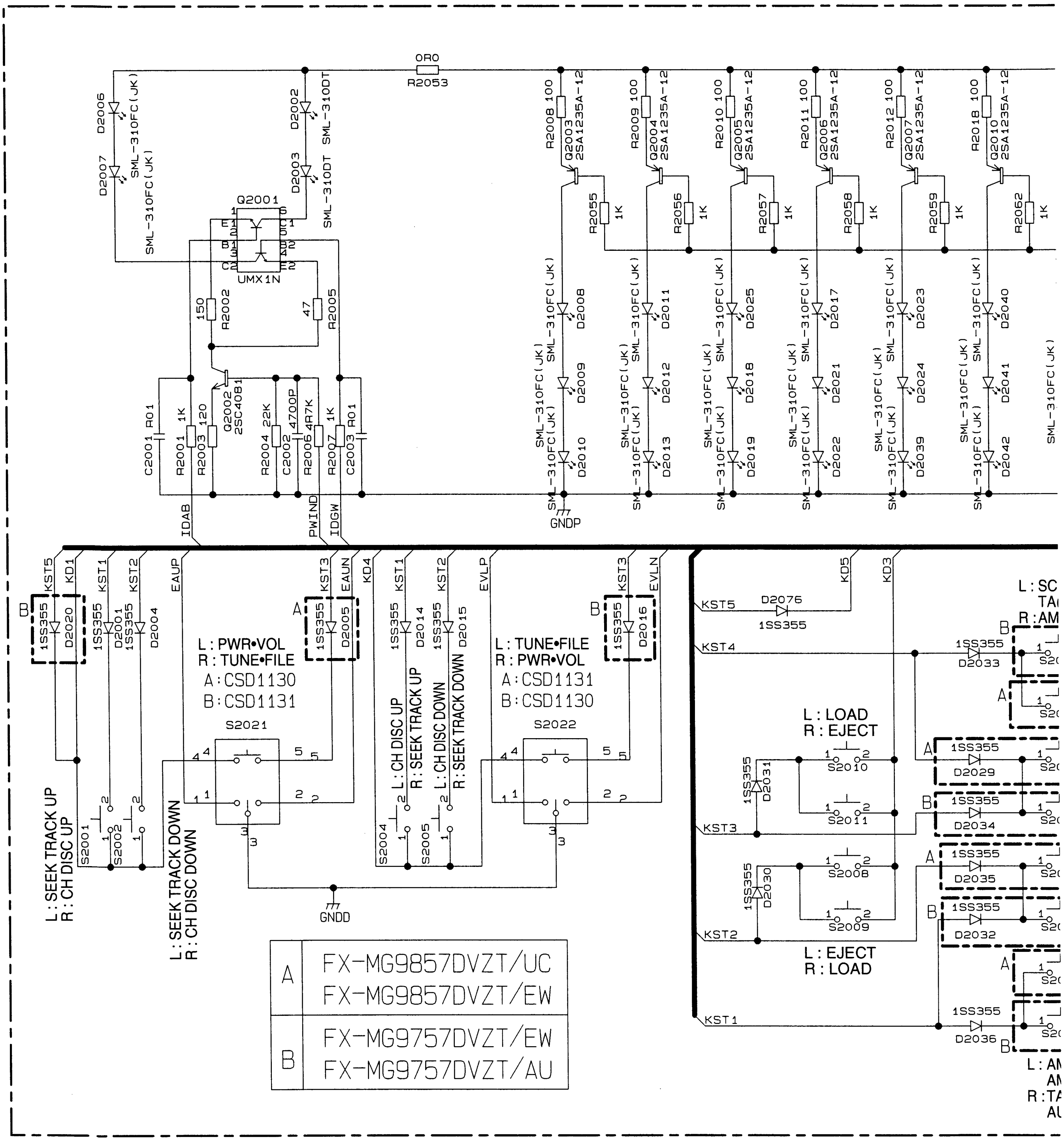
A-a A-b

A-b 3/3


FM/AM SUB-TUNER UNIT
Y102
CWE1839
AMANT
RFGND
FMANT
VCC
SL
CE2
WC
CE1
CK
DI
LDET
OSCGND
ROMVDD
DO
DGND
COMP
VDD3.3
RDSCK
RDSDATA
RDSLOCK
RDSHSLK
DIVER
LCH
RCH
SAMANT
SFMANT
STU8V
SSL
SPCE2
SWC
SPCE1
SPCK
SPDI
SLDET
STU5V
SPDO
SCOMP
STU3V
SRCK
SRDT
SRLK
SRHSLK
SDIV
STUL
STUR
GNDRF
R155 680
C151 150P
SCMP
SLDET1
Q123
DTC114EU
R156 680
R157 680
R158 680
R159 680
R160 680
R161 2.2K
R50 0R0
SUBSL
SSL
SPCE2
SPCE1
SPCK
SPDO
SPDI
MBP2 (SRDSDT)
AMSUB (SRCK)
SBP2 (SRHSLK)
SBP1 (SRDSLK)
MBP1 (SLDET)
A 1/3
R167 22K
R169 22K
R170 22K
R171 22K
Q125
Q126
UMH1N
MAINSL
MTUL
MTUR
R67 0R0
R1 0R0
R2 0R0
MSL
SL
TUL1
TUR1
2
3

3.5 KEYBOARD UNIT

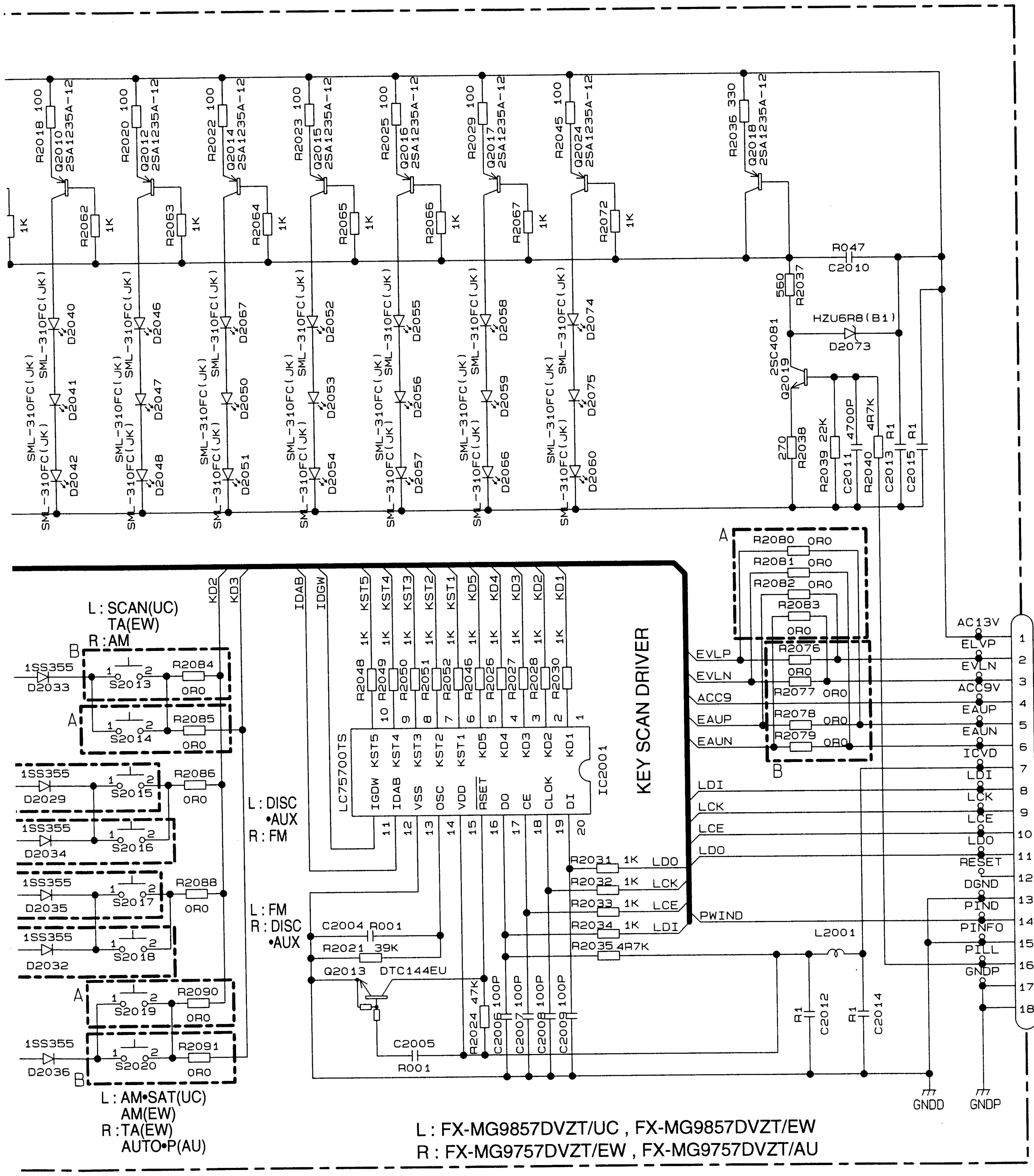
Caution) Do not detach the keyboard unit.



0R0
R2053
D2006
D2007
SML-310FC(JK)
D2002
D2003
SML-310DT
Q2001
UMX1N
R2002 150
R2005 47
C2001 R01
R2001 1K
R2003 120
Q2002 2SC4081
R2004 22K
C2002 4700P
R2006 4R7K
R2007 1K
C2003 R01
IDAB
PWIND
IDGW
R2008 100
R2009 100
R2010 100
R2011 100
R2012 100
R2018 100
Q2003 2SA1235A-12
Q2004 2SA1235A-12
Q2005 2SA1235A-12
Q2006 2SA1235A-12
Q2007 2SA1235A-12
Q2010 2SA1235A-12
R2055 1K
R2056 1K
R2057 1K
R2058 1K
R2059 1K
R2062 1K
D2008
D2009
D2010
D2011
D2012
D2013
D2025
D2018
D2019
D2017
D2021
D2022
D2023
D2024
D2039
D2040
D2041
D2042
GNDP
KST5
KD1
KST1
KST2
EAUP
KST3
EAUN
KD4
EVLP
EVLN
KD5
KD3
1SS355
D2020
D2001
D2004
D2005
D2014
D2015
D2016
L : PWR•VOL
R : TUNE•FILE
A : CSD1130
B : CSD1131
S2021
L : TUNE•FILE
R : PWR•VOL
A : CSD1131
B : CSD1130
S2022
L : SEEK TRACK UP
R : CH DISC UP
S2001
S2002
L : SEEK TRACK DOWN
R : CH DISC DOWN
L : CH DISC UP
R : SEEK TRACK UP
L : CH DISC DOWN
R : SEEK TRACK DOWN
S2004
S2005
GNDD
D2076
KST4
KST3
KST2
KST1
L : LOAD
R : EJECT
S2010
S2011
D2031
D2030
S2008
S2009
L : EJECT
R : LOAD
D2033
D2029
D2034
D2035
D2032
D2036
L : SC
TA
R : AM
L : AM
AM
R : TA
AU
A
B

A	FX-MG9857DVZT/UC FX-MG9857DVZT/EW
B	FX-MG9757DVZT/EW FX-MG9757DVZT/AU

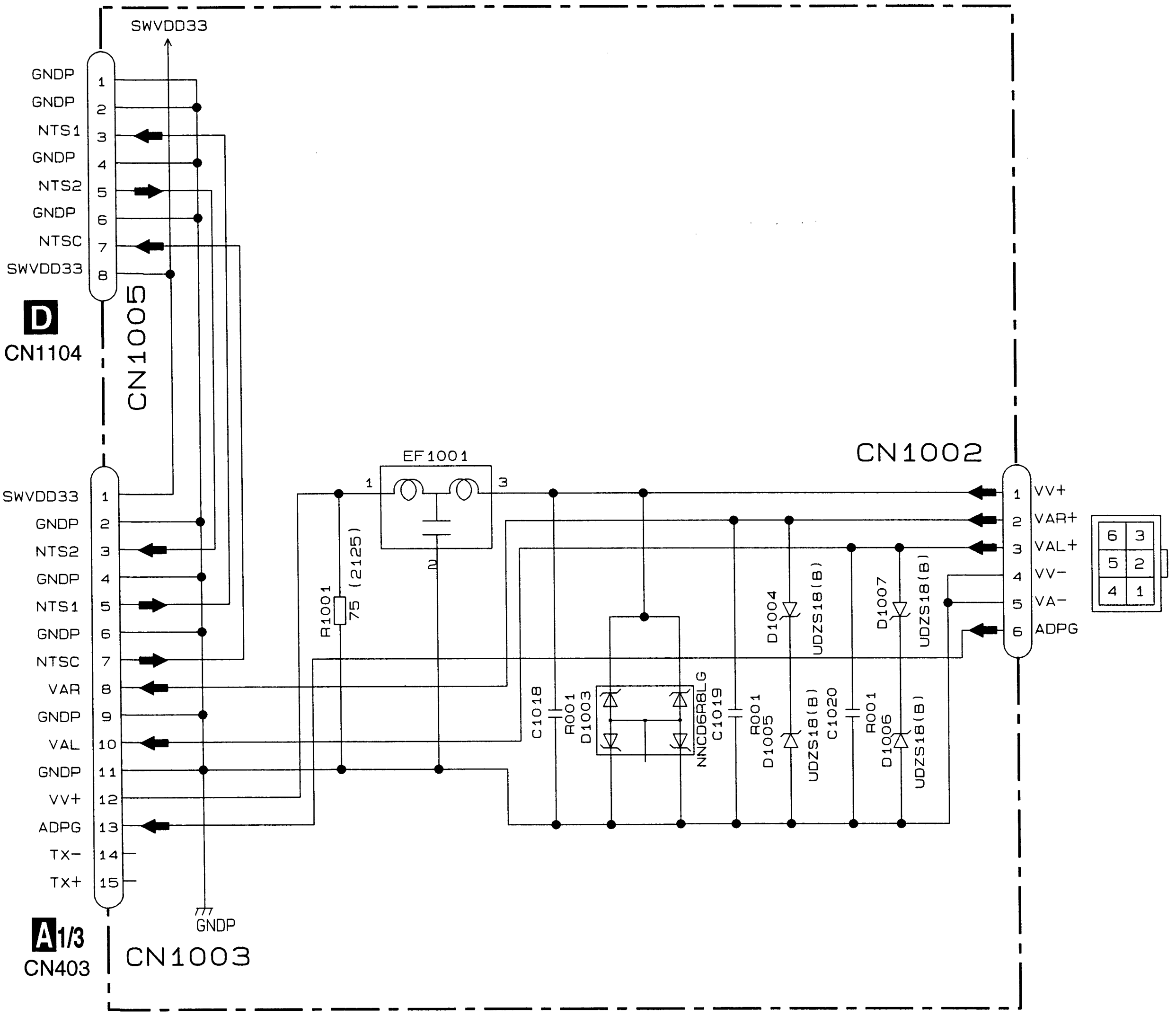
B KEYBOARD UNIT


R2018 100
Q2010 2SA1235A-12
R2020 100
Q2012 2SA1235A-12
R2022 100
Q2014 2SA1235A-12
R2023 100
Q2015 2SA1235A-12
R2025 100
Q2016 2SA1235A-12
R2029 100
Q2017 2SA1235A-12
R2045 100
Q2024 2SA1235A-12
R2036 330
Q2018 2SA1235A-12
R2062 1K
R2063 1K
R2064 1K
R2065 1K
R2066 1K
R2067 1K
R2072 1K
SML-310FC(JK)
D2040 D2041 D2042
D2046 D2047 D2048
D2067 D2050 D2051
D2052 D2053 D2054
D2055 D2056 D2057
D2058 D2059 D2066
D2074 D2075 D2060
R047
C2010
560 R2037
HZU6R8(B1)
D2073
2SC4081
Q2019
270 R2038
R2039 22K
C2011 4700P
R2040 4R7K
C2013 R1
C2015 R1
CN2001
A
R2080 0R0
R2081 0R0
R2082 0R0
R2083 0R0
R2076 0R0
R2077 0R0
R2078 0R0
R2079 0R0
B
L : SCAN(UC)
TA(EW)
R : AM
1SS355
D2033 D2029 D2034 D2035 D2032 D2036
S2013 S2014 S2015 S2016 S2017 S2018 S2019 S2020
R2084 0R0
R2085 0R0
R2086 0R0
R2088 0R0
R2090 0R0
R2091 0R0
L : AM•SAT(UC)
AM(EW)
R : TA(EW)
AUTO•P(AU)
KD2 KD3
IDAB IDGW KST5 KST4 KST3 KST2 KST1 KD5 KD4 KD3 KD2 KD1
R2048 R2049 R2050 R2051 R2052 R2046 R2026 R2027 R2028 R2030 1K
LC75700TS
IGDW IDAB VSS OSC VDD RSET DO CE CLOK DI
KST5 KST4 KST3 KST2 KST1 KD5 KD4 KD3 KD2 KD1
IC2001
KEY SCAN DRIVER
L : DISC
•AUX
R : FM
L : FM
R : DISC
•AUX
C2004 R001
R2021 39K
Q2013 DTC144EU
R2024 47K
C2006 C2007 C2008 C2009 100P
C2005 R001
R2031 1K LDO
R2032 1K LCK
R2033 1K LCE
R2034 1K LDI
R2035 4R7K
PWIND
L2001
C2012 R1
C2014 R1
EVLP EVLN ACC9 EAUP EAUN LDI LCK LCE LDO
AC13V ELVP EVLN ACC9V EAUP EAUN ICVD LDI LCK LCE LDO RESET DGND PIND PINFO PILL GNDP
1 ACC+B
2 ENCVOL+
3 ENCVOL−
4 ACC9V
5 ENCAUD+
6 ENCAUD−
7 IC-VDD
8 KEY-DO
9 KEY-CLK
10 KEY-CE
11 KEY-DI
12 KEY-RST
13 DGND
14 PWM-IND
15 PANEL-INFO
16 PWM-ILL
17 PGND
18 PGND
GNDD GNDP
A 1/3
CN408

L : FX-MG9857DVZT/UC , FX-MG9857DVZT/EW
R : FX-MG9757DVZT/EW , FX-MG9757DVZT/AU

3.6 CONNECTOR1 PCB

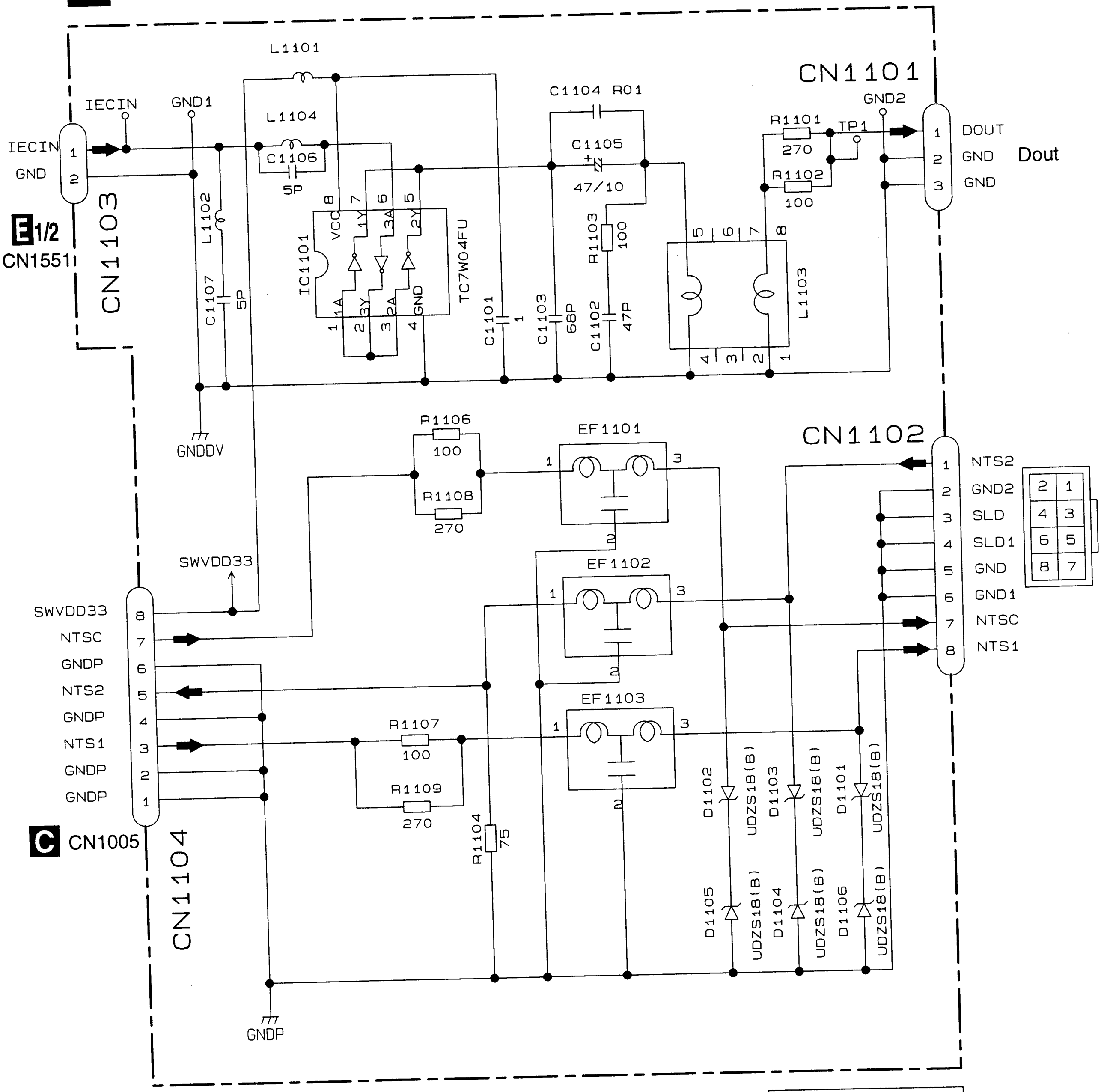
C CONNECTOR1 PCB


SWVDD33
GNDP
GNDP
NTS1
GNDP
NTS2
GNDP
NTSC
SWVDD33
D
CN1104
CN1005
EF1001
CN1002
SWVDD33
GNDP
NTS2
GNDP
NTS1
GNDP
NTSC
VAR
GNDP
VAL
GNDP
VV+
ADPG
TX−
TX+
GNDP
A1/3
CN403
CN1003
R1001
75 (2125)
C1018
R001
D1003
NNCD6R8LG
C1019
R001
D1005
D1004
UDZS18(B)
UDZS18(B)
C1020
R001
D1006
D1007
UDZS18(B)
UDZS18(B)
VV+
VAR+
VAL+
VV−
VA−
ADPG
6 3
5 2
4 1

CONNECTOR UNIT
Consists of CONNECTOR1 PCB CONNECTOR2 PCB

3.7 CONNECTOR2 PCB

D CONNECTOR2 PCB


L1101
L1104
C1106
5P
IECIN
GND1
IECIN
GND
1
2
CN1103
E 1/2
CN1551
L1102
C1107
5P
IC1101
TC7W04FU
VCC
1Y
3A
2Y
1A
3Y
2A
GND
8
7
6
5
1
2
3
4
C1101
1
C1103
68P
C1104 R01
C1105
47/10
R1103
100
C1102
47P
L1103
5
6
7
8
4
3
2
1
CN1101
GND2
R1101
270
TP1
R1102
100
DOUT
GND
GND
Dout
GNDDV
R1106
100
R1108
270
EF1101
EF1102
EF1103
SWVDD33
CN1102
NTS2
GND2
SLD
SLD1
GND
GND1
NTSC
NTS1
2 1
4 3
6 5
8 7
SWVDD33
NTSC
GNDP
NTS2
GNDP
NTS1
GNDP
GNDP
C CN1005
CN1104
R1107
100
R1109
270
R1104
75
D1102
UDZS18(B)
D1103
UDZS18(B)
D1101
UDZS18(B)
D1105
UDZS18(B)
D1104
UDZS18(B)
D1106
UDZS18(B)
GNDP

CONNECTOR UNIT
Consists of
CONNECTOR1 PCB
CONNECTOR2 PCB

1 2 3 4

3.8 DVD CORE UNIT(1/2)(GUIDE PAGE)

A

B

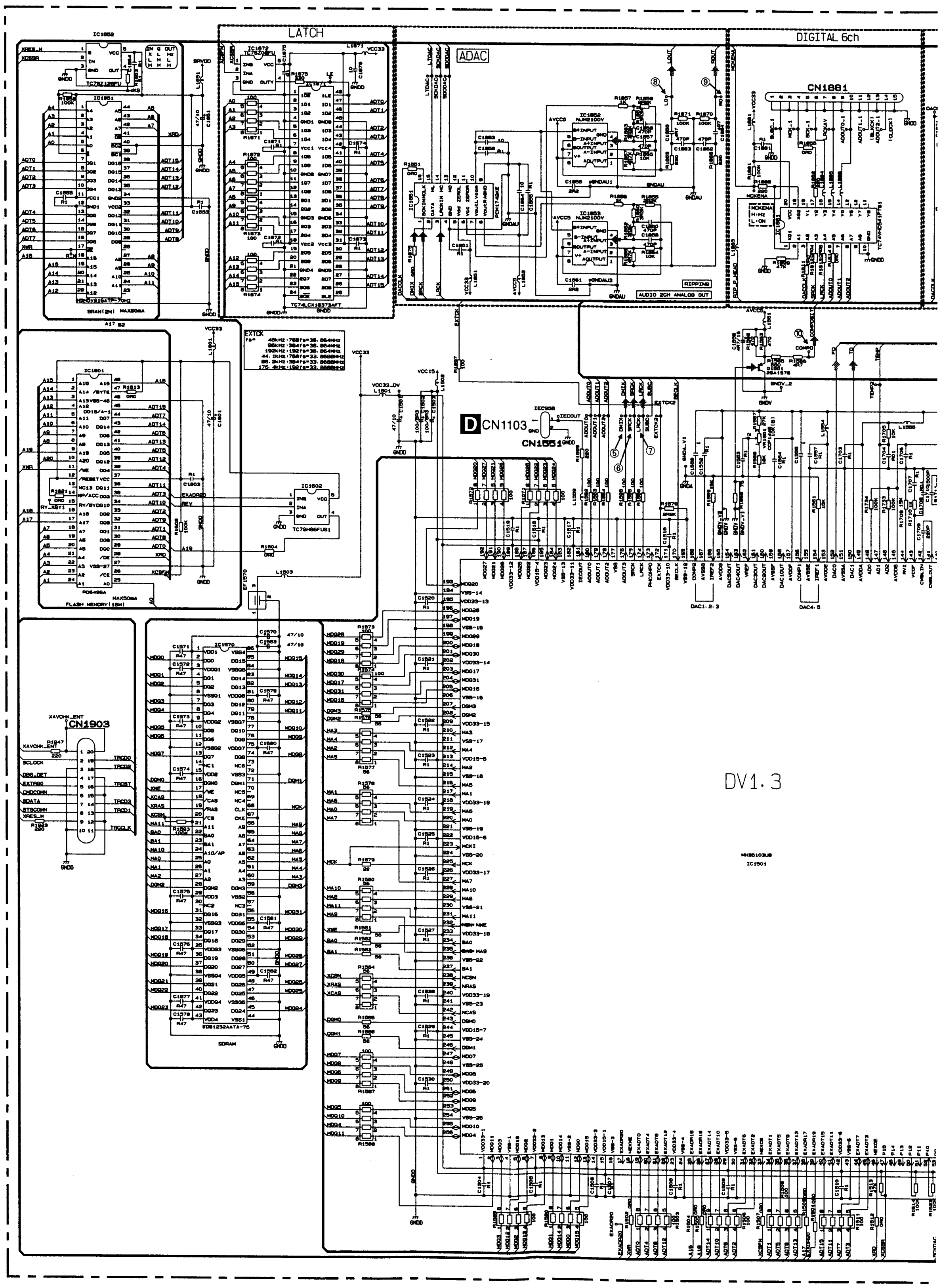
C

D

E

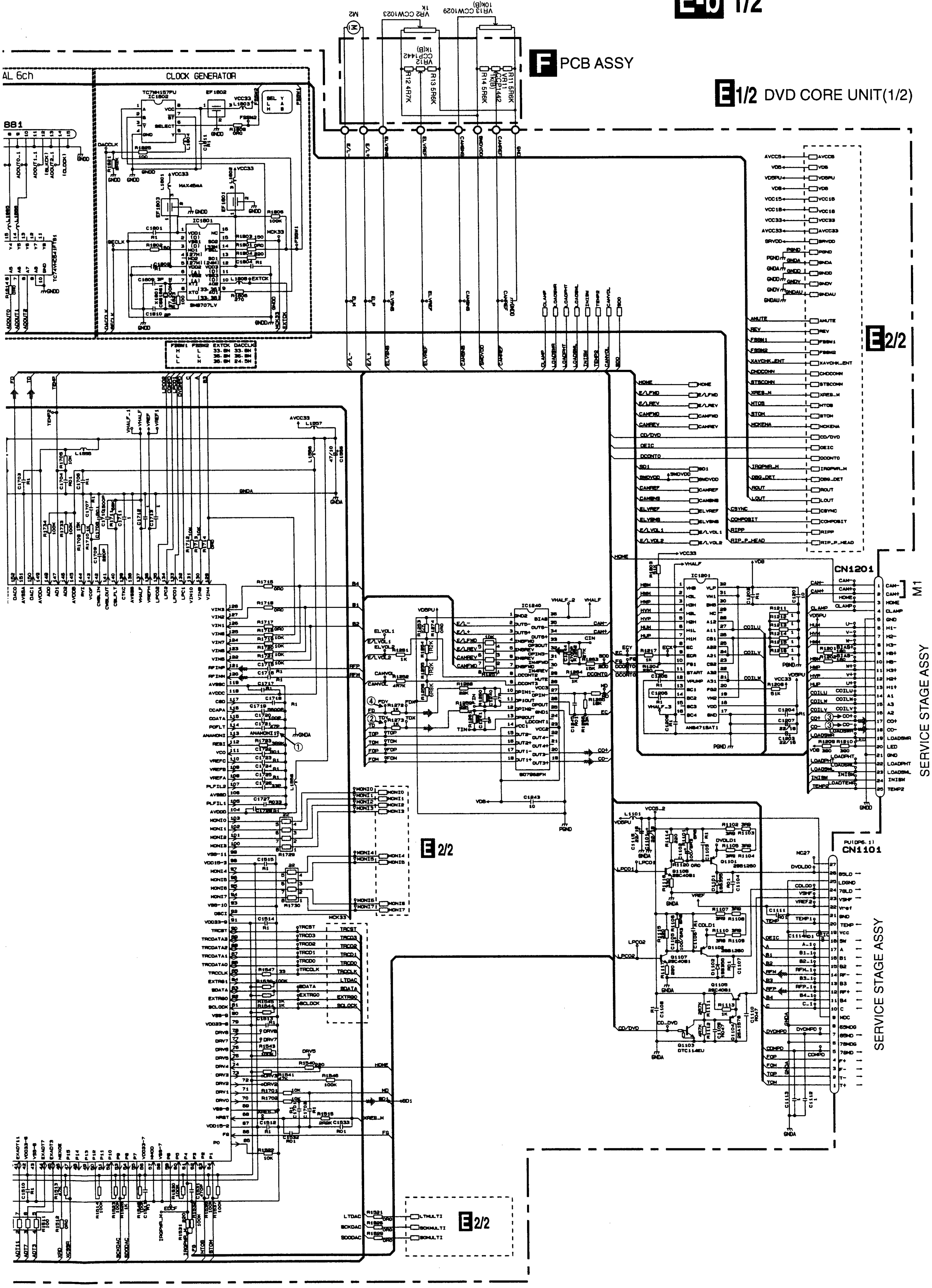
F

E-a 1/2


LATCH
ADAC
DIGITAL 6ch
IC1852
IC1851
SRAM(2M) MAX50ma
TC74LCX16373AFT
CN1881
AUDIO 2CH ANALOG OUT
RIPPING
IC1801
FLASH MEMORY(16M)
IC1802
TC7SH66FU
EXTCK
CN1903
D CN1103
CN1551
IC1570
SDRAM
EDS1232AATA-75
DV1.3
IC1501
DAC1・2・3
DAC4・5

E 1/2

E-b 1/2


F PCB ASSY
E 1/2 DVD CORE UNIT(1/2)
M2
VR2 CCW1023 1K
VR13 CCW1029 10K(B)
VR12 CCP1442 1K(B)
R12 4R7K
R13 5R6K
R14 5R6K
R15 5R6K
AL 6ch
CLOCK GENERATOR
TC7W157FU IC1802
EF1802
EF1801
IC1801
SM8707LV
MAX45mA
E 2/2
IC1840
SC7988FN
IC1201
AN8471SAT1
CN1201
M1
SERVICE STAGE ASSY
PU(DP6.1)
CN1101
Q1101
Q1103 DTC114EU
Q1105 2SC4081
Q1106 2SB1260
Q1107 2SC4081
Q1108 2SC4081
MCX33
MONI0
MONI1
MONI2
MONI3
MONI4
MONI5
MONI6
MONI7
LTMULTI
SCKMULTI
SDMULTI
GNDA
PGND
GNDD

E 1/2 F

1 2 3 4

F

E-b 1/2

A

B

C

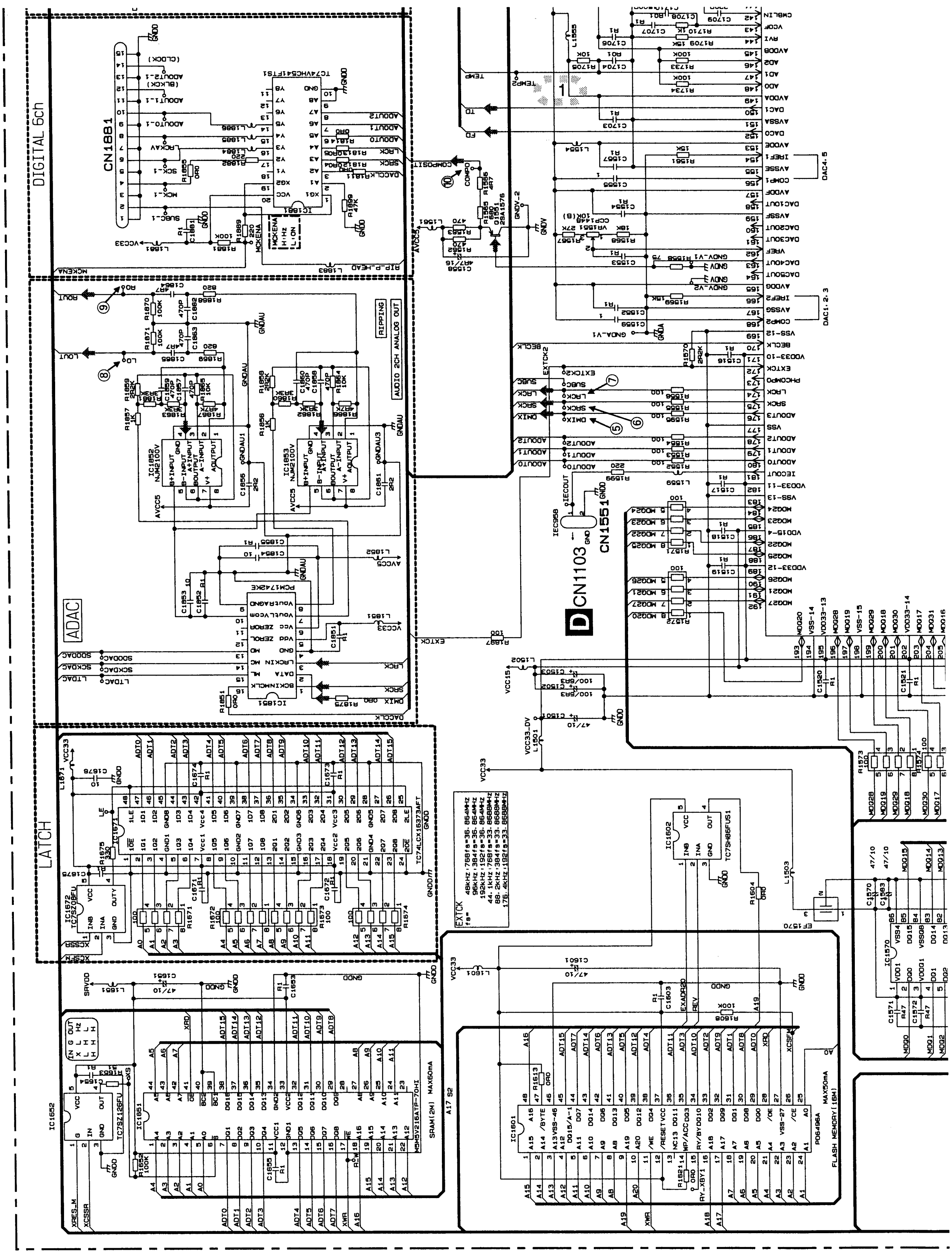
D

E

F

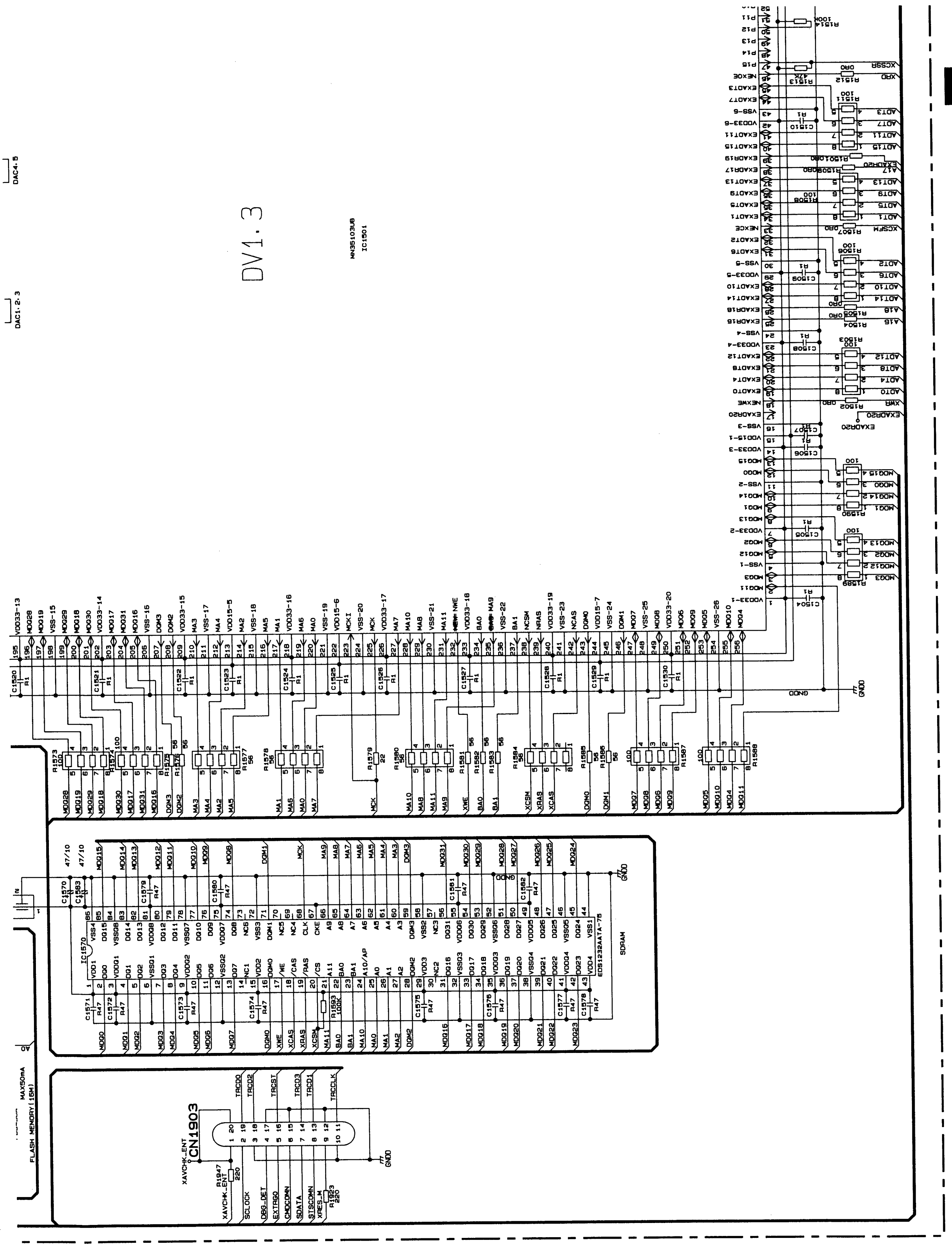
E-b

E-a


DIGITAL 6ch
CN1881
IC1881 TC74VHC541FTS1
RIPPING
AUDIO 2CH ANALOG OUT
IC1852 NJM2100V
IC1853 NJM2100V
ADAC
IC1851 PCM1742KE
LATCH
IC1671 TC74LCX16373AFT
IC1672 TC7SZ08FU
IC1651 M5M5V216ATP-70HI SRAM(2M) MAX50mA
IC1652 TC7SZ126FU
IC1601 PD6496A FLASH MEMORY(16M) MAX50mA
IC1602 TC7SH86FUS1
IC1570
D CN1103 ← CN1551
EXTCK
fs=
48kHz:768fs=36.864MHz
96kHz:384fs=36.864MHz
192kHz:192fs=36.864MHz
44.1kHz:768fs=33.8688MHz
88.2kHz:384fs=33.8688MHz
176.4kHz:192fs=33.8688MHz
DAC4.5
DAC1.2.3
1
5
6
7
8
9
10

E-a 1/2

1 2 3 4


E-b 1/2
DAC4.5
DAC1.2.3
DV1.3
MN35103UB
IC1501
IC1570
SDRAM
EDS1232AATA-75
CN1903
XAVCHK_ENT
SCLOCK
OBG_DET
EXTRG0
CMDCOMN
SDATA
STSCOMN
XRES_M
FLASH MEMORY(16M)
MAX50mA
GNDD
E-a E-b

A

B

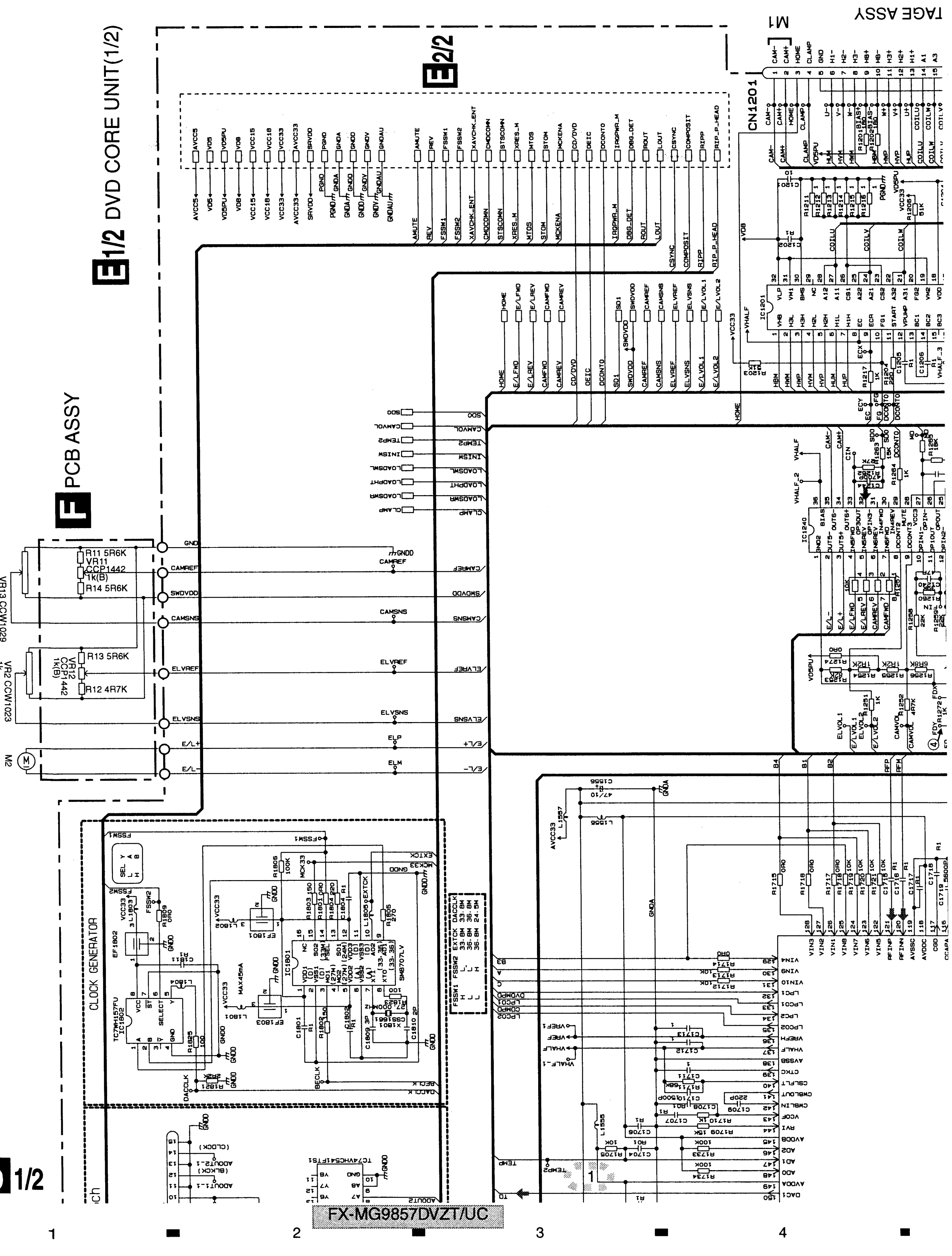
C

D

E

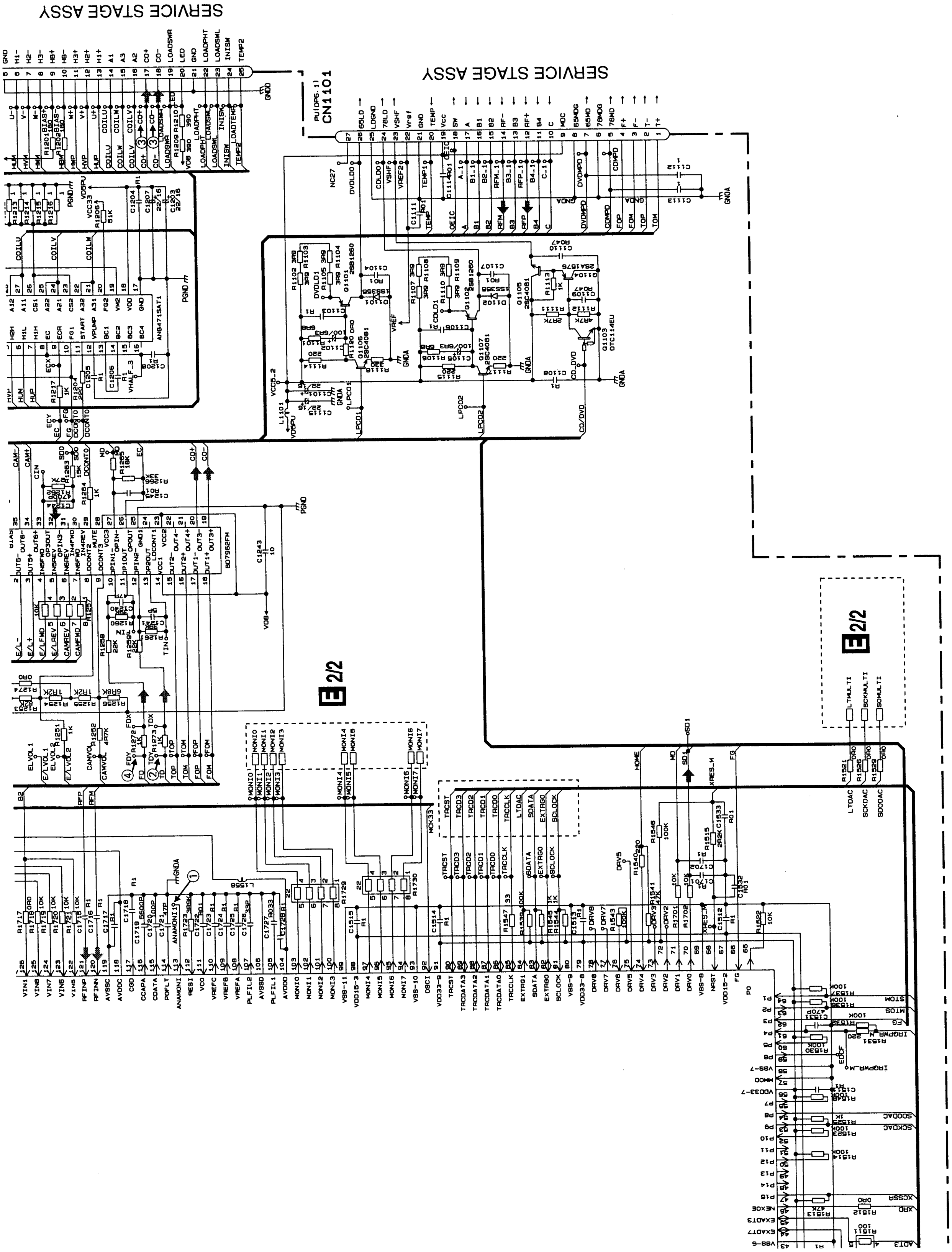
F

E-a E-b


E 1/2 DVD CORE UNIT(1/2)
E 2/2
F PCB ASSY
M1
TAGE ASSY
CN1201
IC1201
IC1240
CLOCK GENERATOR
IC1801 SM8707LV
IC1802 TC7WH157FU
EF1802
EF1803
VR13 CCW1029 10K(B)
VR11 CCP1442 1k(B)
VR12 CCP1442 1K(B)
VR2 CCW1023 1k
M2
GND
CAMREF
SWDVDD
CAMSNS
ELVREF
ELVSNS
E/L+
E/L-
FSSW1 FSSW2 EXTCK DACCLK
TC74VHC541FTS1

F

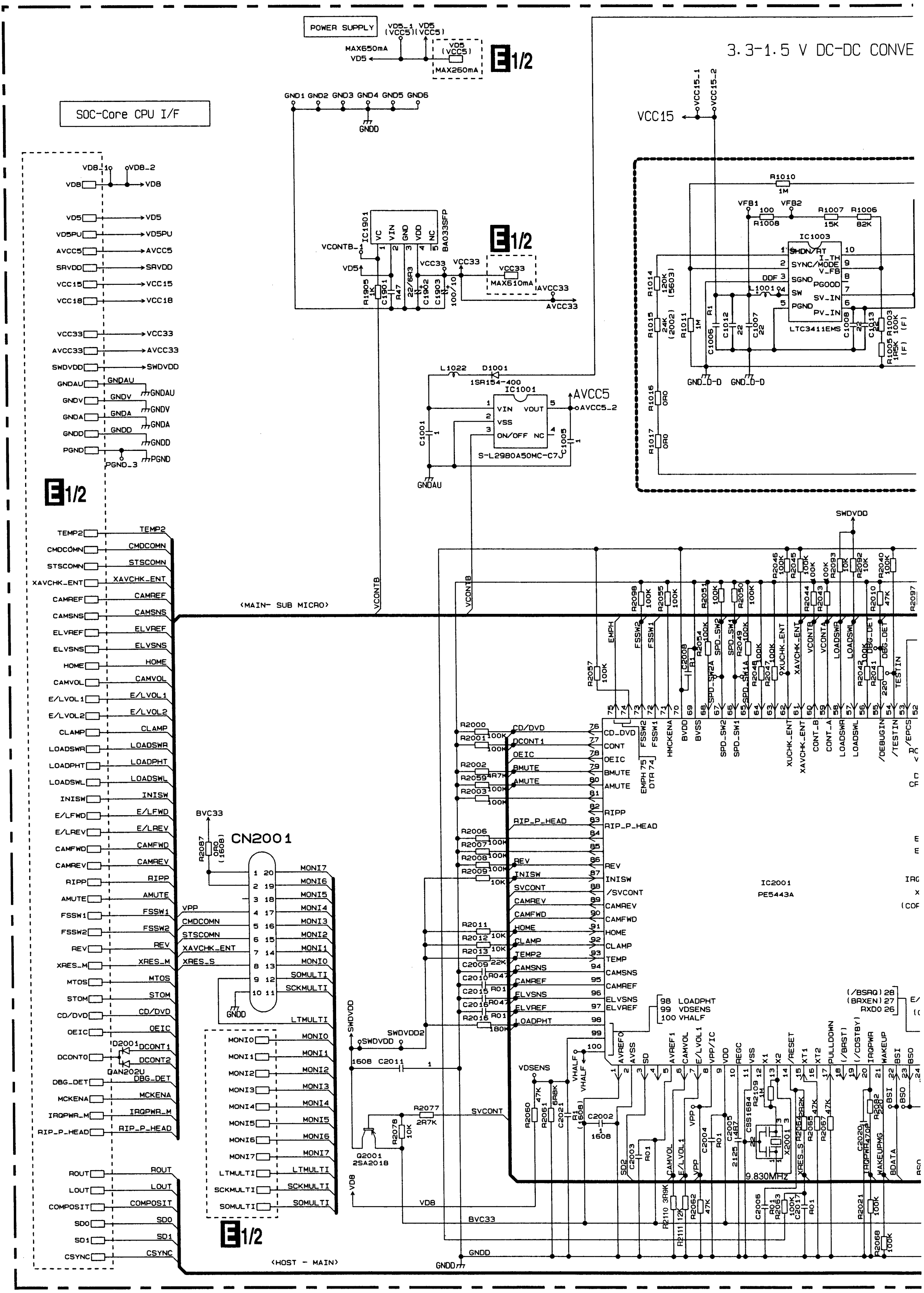
E-b 1/2


SERVICE STAGE ASSY
SERVICE STAGE ASSY
PU(DP5.1)
CN1101
AN8471SAT1
BD7962FM
2SB1260
2SC4081
2SA1576
DTC114EU
VHALF_3
E 2/2
E 2/2
GNDA
PGND
VD8
VD5PU
VCC5_2
LPCO1
LPCO2
CD/DVD
MONI0
MONI1
MONI2
MONI3
MONI4
MONI5
MONI6
MONI7
LTMULTI
SCKMULTI
SDMULTI
LTDAC
SCKDAC
SDODAC
HOME
MD
SD1
XRES_M
FG
STOM
MTOS
IRQPWR_M
XCSSR
XRD
ADT3
NEXOE
EXADT3
EXADT7

E-a E-b

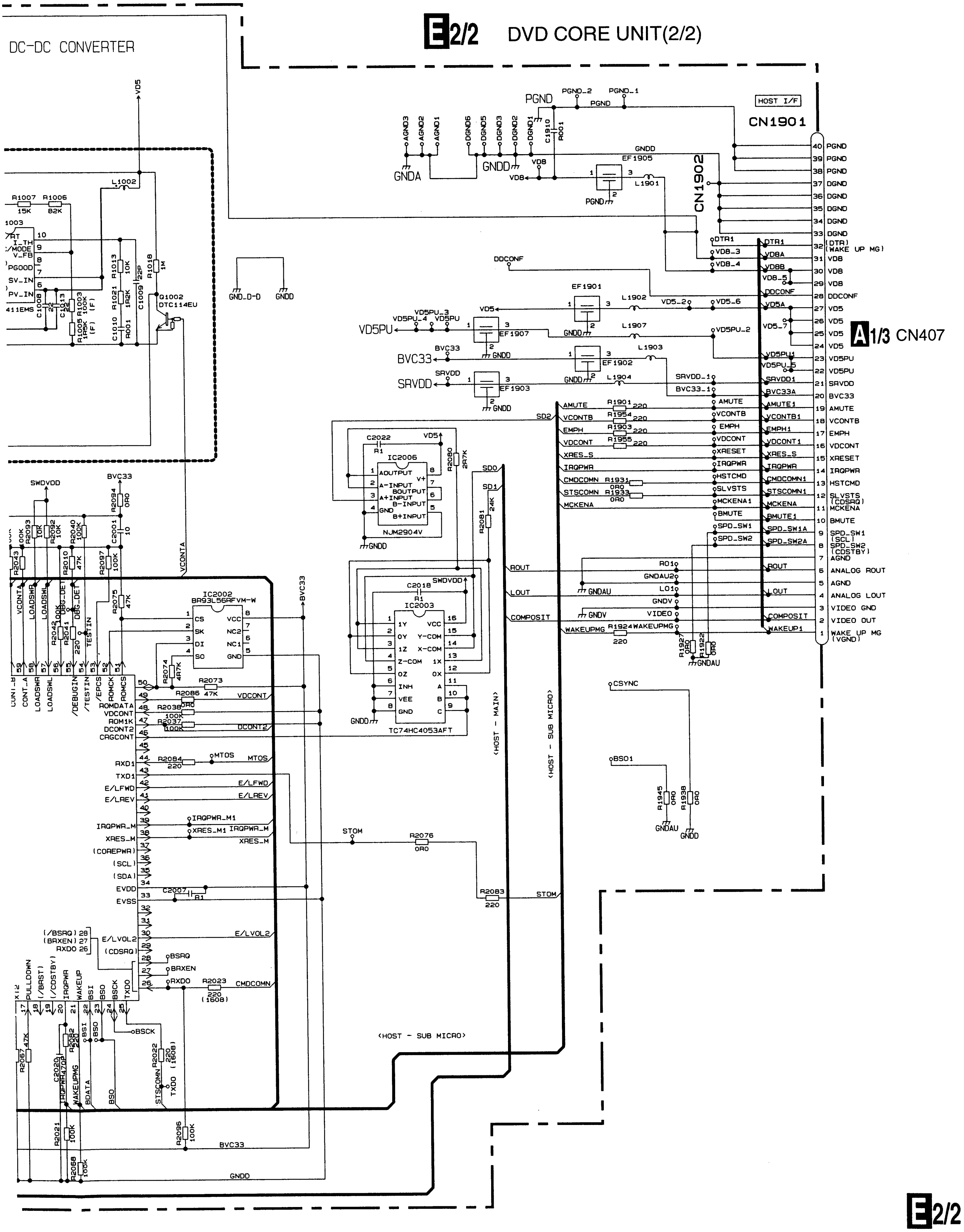
E-b 1/2

3.9 DVD CORE UNIT(2/2)


POWER SUPPLY
VD5_1 (VCC5)
VD5 (VCC5)
MAX650mA
MAX260mA
E 1/2
3.3-1.5 V DC-DC CONVE
GND1 GND2 GND3 GND4 GND5 GND6
GNDD
VCC15
VCC15_1
VCC15_2
SOC-Core CPU I/F
VD8
VD8_1
VD8_2
VD5
VD5PU
AVCC5
SRVDD
VCC15
VCC18
VCC33
AVCC33
SWDVDD
GNDAU
GNDV
GNDA
GNDD
PGND
PGND_3
IC1901
BA033SFP
VCONTB
VC VIN GND VDD NC
VCC33
MAX610mA
AVCC33
R1905 1K
C1901
R47
22/6R3
C1902
C1903
100/10
R1010 1M
VFB1
VFB2
100
R1008
R1007 15K
R1006 82K
IC1003
SHDN/RT
SYNC/MODE
I_TH
V_FB
SGND
PGOOD
SW
SV_IN
PGND
PV_IN
LTC3411EMS
L1001
DDF
R1014 120K (5603)
R1015 24K (2002)
R1011 1M
R1
C1006
C1012 22
C1007 22
C1008
C1013
R1003 100K (F)
R1005 1R5K (F)
GND_D-D
R1016 0R0
R1017 0R0
L1022
D1001
1SR154-400
IC1001
VIN VOUT
VSS
ON/OFF NC
S-L2980A50MC-C7
AVCC5
AVCC5_2
C1001
C1005
GNDAU
SWDVDD
TEMP2
CMDCOMN
STSCOMN
XAVCHK_ENT
CAMREF
CAMSNS
ELVREF
ELVSNS
HOME
CAMVOL
E/LVOL1
E/LVOL2
CLAMP
LOADSWR
LOADPHT
LOADSWL
INISW
E/LFWD
E/LREV
CAMFWD
CAMREV
RIPP
AMUTE
FSSW1
FSSW2
REV
XRES_M
MTOS
STOM
CD/DVD
OEIC
DCONT0
D2001
DCONT1
DCONT2
DAN202U
DBG_DET
MCKENA
IRQPWR_M
RIP_P_HEAD
ROUT
LOUT
COMPOSIT
SD0
SD1
CSYNC
<MAIN- SUB MICRO>
<HOST - MAIN>
VCONTB
VCONTB
BVC33
R2087 0R0 (1608)
CN2001
VPP
XAVCHK_ENT
XRES_S
MONI7 MONI6 MONI5 MONI4 MONI3 MONI2 MONI1 MONI0
SOMULTI
SCKMULTI
LTMULTI
GNDD
SWDVDD
SWDVDD2
1608 C2011
R2077 2R7K
R2078 10K
Q2001
2SA2018
SVCONT
VD8
BVC33
GNDD
R2000 100K
R2001 100K
R2002 4R7K
R2059
R2003 100K
R2006 100K
R2007 100K
R2008 100K
R2009 10K
R2011 10K
R2012
R2013 10K
C2009 22K
C2010 R047
C2015 R01
C2016 R047
R2016 R01
180K
CD/DVD
DCONT1
OEIC
BMUTE
AMUTE
RIP_P_HEAD
REV
INISW
SVCONT
CAMREV
CAMFWD
HOME
CLAMP
TEMP2
CAMSNS
CAMREF
ELVSNS
ELVREF
LOADPHT
IC2001
PE5443A
CD_DVD
CONT
OEIC
BMUTE
AMUTE
RIPP
RIP_P_HEAD
REV
INISW
/SVCONT
CAMREV
CAMFWD
HOME
CLAMP
TEMP
CAMSNS
CAMREF
ELVSNS
ELVREF
98 LOADPHT
99 VDSENS
100 VHALF
EMPH 75
DTR 74
FSSW2
FSSW1
HMCKENA
BVDD
BVSS
SPD_SW2
SPD_SW1
XUCHK_ENT
XAVCHK_ENT
CONT_B
CONT_A
LOADSWR
LOADSWL
/DEBUGIN
/TESTIN
/EPCS
R2098 100K
R2055 100K
R2051 100K
R2050 100K
R2046 100K
R2045 100K
R2044 100K
R2043 100K
R2093 10K
R2092 10K
R2040 100K
R2010 47K
R2097
R2057 100K
EMPH
C2008
R2054 100K
R2049 100K
R2048 100K
R2047 100K
R2042 100K
R2041 220K
SPD_SW2A
SPD_SW1A
XUCHK_ENT
VCONTB
VCONTA
LOADSWL
DBG_DET
TESTIN
(/BSRQ) 28
(BRXEN) 27
RXD0 26
IRQ
(COF
AVREF0
AVSS
SD
AVREF1
CAMVOL
E/VOL1
VPP/IC
VDD
REGC
VSS
X1
X2
/RESET
XT1
XT2
PULLDOWN
(/BRST)
(/CDSTBY)
IRQPWR
WAKEUP
BSI
BSO
VDSENS
VHALF
R2050 47K
R2051 5R6K
C2021
R1 (1608)
C2002 1608
SD2
R01
CAMVOL
E/LVOL1
VPP
C2004
C2003
R01
CSS1684
2125
R2109 1M
X2001
9.830MHz
XRES_S
R2064
R2065 82K
R2066 47K
R2067 47K
C2020
IRQPWR
WAKEUPMG
BDATA
R2082
BSI
BSO
R2110 3R9K
R2111 12K
R2062 47K
C2006
R2063 100K
C2017
R01
R2021 100K
R2068 100K
GNDD

E 2/2

E 2/2 DVD CORE UNIT(2/2)

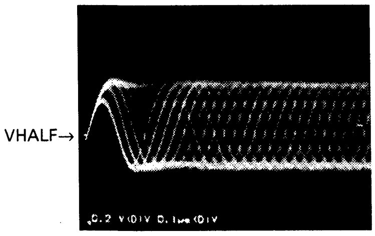

DC-DC CONVERTER
VD5
L1002
R1007 15K
R1006 82K
1003
I_TH
V_FB
PGOOD
SV_IN
PV_IN
411EMS
R1013 10K
R1018 1M
R1021 1R2K
C1009 22P
Q1002 DTC114EU
C1010 R001
R1005 1R5K (F)
R1003 100K (F)
GND_D-D
GNDD
AGND3 AGND2 AGND1
DGND6 DGND5 DGND3 DGND2 DGND1
GNDA
GNDD
VD8
C1910
R001
PGND
PGND_2
PGND_1
GNDD
EF1905
L1901
CN1902
HOST I/F
CN1901
40 PGND
39 PGND
38 PGND
37 DGND
36 DGND
35 DGND
34 DGND
33 DGND
32 (DTR) WAKE UP MG)
31 VD8
30 VD8
29 VD8
28 DDCONF
27 VD5
26 VD5
25 VD5
24 VD5
23 VD5PU
22 VD5PU
21 SRVDD
20 BVC33
19 AMUTE
18 VCONTB
17 EMPH
16 VDCONT
15 XRESET
14 IRQPWR
13 HSTCMD
12 SLVSTS (CDSRQ)
11 MCKENA
10 BMUTE
9 SPD_SW1 (SCL)
8 SPD_SW2 (CDSTBY)
7 AGND
6 ANALOG ROUT
5 AGND
4 ANALOG LOUT
3 VIDEO GND
2 VIDEO OUT
1 WAKE UP MG (VGND)
A 1/3 CN407
DTR1
VD8_3
VD8_4
VD8B
VD8_5
DDCONF
EF1901
L1902
VD5_2
VD5_6
VD5A
VD5_7
VD5PU_3
VD5PU_4
VD5PU
VD5PU
EF1907
L1907
VD5PU_2
VD5PU1
VD5PU_5
BVC33
EF1902
L1903
SRVDD
EF1903
L1904
SRVDD_1
BVC33_1
SRVDD1
BVC33A
SD2
AMUTE R1901 220
VCONTB R1954 220
EMPH R1903 220
VDCONT R1955 220
XRES_S
IRQPWR
CMDCOMN R1931 0R0
STSCOMN R1933 0R0
MCKENA
AMUTE1
VCONTB1
EMPH1
VDCONT1
XRESET
HSTCMD
SLVSTS
MCKENA1
BMUTE
BMUTE1
SPD_SW1
SPD_SW2
SPD_SW1A
SPD_SW2A
C2022 R1
IC2006
NJM2904V
AOUTPUT
A-INPUT
A+INPUT
BOUTPUT
B-INPUT
B+INPUT
V+
GND
R2080 2R7K
SD0
SD1
R2081 24K
GNDD
C2018 R1
SWDVDD
IC2003
TC74HC4053AFT
1Y 0Y 1Z Z-COM 0Z INH VEE GND
VCC Y-COM X-COM 1X 0X A B C
ROUT
LOUT
COMPOSIT
WAKEUPMG
R1924 WAKEUPMG 220
R01
GNDAU2
GNDAU
L01
GNDV
VIDEO
ROUT
LOUT
COMPOSIT
WAKEUP1
R1927 0R0
R1922 0R0
CSYNC
BSO1
R1945 0R0
R1938 0R0
GNDAU
GNDD
(HOST - MAIN)
(HOST - SUB MICRO)
SWDVDD
BVC33
R2094 0R0
R2093 100K
R2092 10K
R2040 100K
C2001 10
R2043
R2010 47K
R2097 100K
R2075 47K
VCONTA
VCONTA
LOADSWR
LOADSWL
DBG_DET
TESTIN
R2042 100K
R2041 220
IC2002
BR93L56RFVM-W
CS SK DI SO VCC NC2 NC1 GND
R2074 4R7K
BVC33
R2073 47K
R2086 0R0
R2038 100K
R2037 100K
VDCONT
DCONT2
CONT_A
LOADSWR
LOADSWL
/DEBUGIN
/TESTIN
/EPCS
ROMCK
ROMCS
ROMDATA
VDCONT
ROM1K
DCONT2
CRGCONT
RXD1
TXD1
E/LFWD
E/LREV
IRQPWR_M
XRES_M
(COREPWR)
(SCL)
(SDA)
EVDD
EVSS
R2084 220
MTOS
MTOS
E/LFWD
E/LREV
IRQPWR_M1
XRES_M1
IRQPWR_M
XRES_M
STOM
R2076 0R0
C2007 B1
R2083 220
STOM
(/BSRQ) 28
(BRXEN) 27
RXD0 26
E/LVOL2
(CDSRQ)
E/LVOL2
BSRQ
BRXEN
RXD0
R2023 220 (1608)
CMDCOMN
PULLDOWN
(/BRST)
(/CDSTBY)
IRQPWR
WAKEUP
BSI
BSO
BSCK
TXD0
BSCK
R2067 47K
R2082 220
C2020 470P
IRQPWR
WAKEUPMG
BDATA
BSO
STSCOMN
R2022 220 (1608)
TXD0
(HOST - SUB MICRO)
R2021 100K
R2096 100K
BVC33
R2068 100K
GNDD
A B C D E F

E 2/2

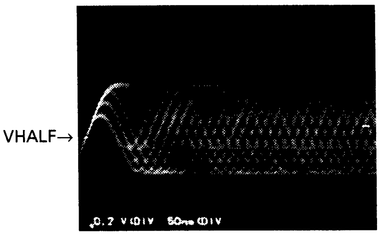
● Waveforms

Note:1. The encircled number denote measuring pointes in the circuit diagram.
2. Reference voltage VHALF : 1.65V(TD1,FD1,CRGDRV)
: 2V Center(ANAMONI1)
In this waveform, it is seeing on the GND standard.
Offset of 1.65V or 2V is put in.

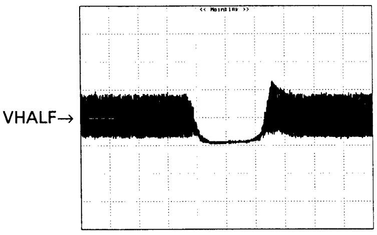
① ANAMONI1 0.2V/div. 0.1µs/div.
CDRF



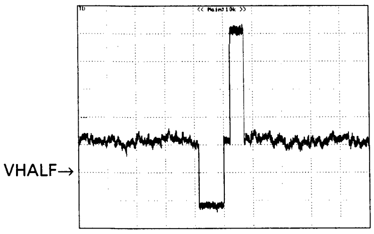
① ANAMONI1 0.2V/div. 0.1µs/div.
DVDRF



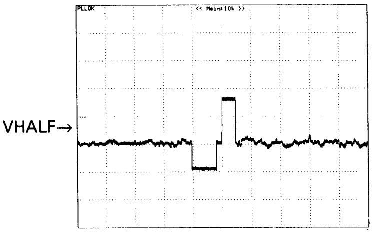
① ANAMONI1 0.5V/div. 100µs/div.
DVDRF(BD1mm)



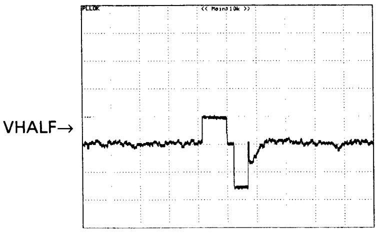
② TDY 0.2V/div. 100µs/div.
Interval



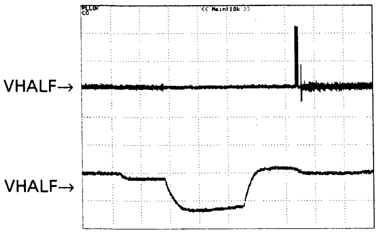
② TDY 0.5V/div. 100µs/div.
Interval FWD



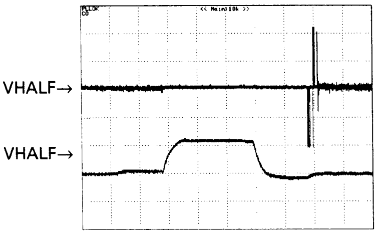
② TDY 0.5V/div. 100µs/div.
Interval REV



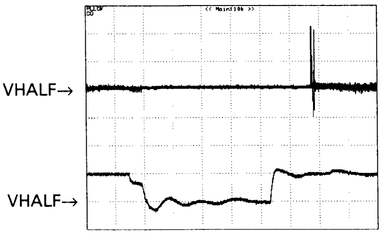
② CH1: TDY 0.5V/div.5ms/div.
③ CH2:(CO+)-(CO-) 2.0V/div.5ms/div.
Traverse501FWD



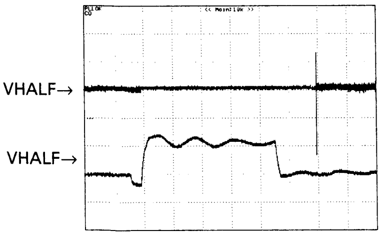
② CH1: TDY 0.5V/div.5ms/div.
③ CH2:(CO+)-(CO-) 2.0V/div.5ms/div.
Traverse501REV



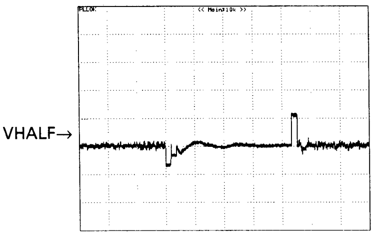
② CH1: TDY 0.5V/div.5ms/div.
③ CH2:(CO+)-(CO-) 2.0V/div.5ms/div.
Traverse5000FWD



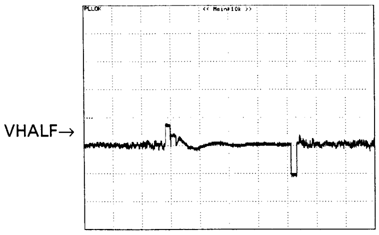
② CH1: TDY 0.5V/div.5ms/div.
③ CH2:(CO+)-(CO-) 2.0V/div.5ms/div.
Traverse5000REV



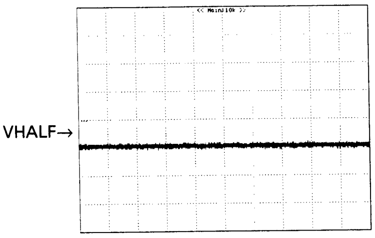
② TDY 0.5V/div.500µs/div.
Multi 32FWD



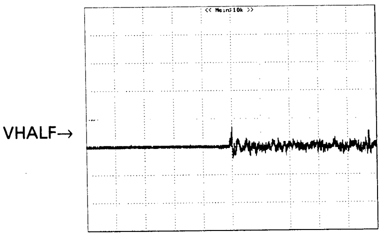
② TDY 0.5V/div.500µs/div.
Multi 32REV



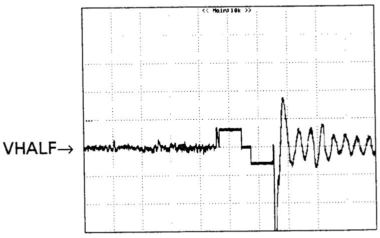
② TDY 0.5V/div.20ms/div.
Play TD



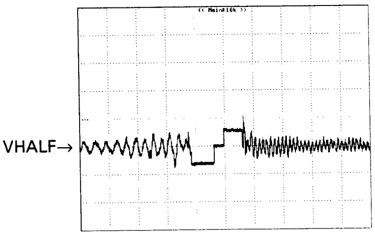
④ FDY 0.5V/div. 1ms/div.
Focus close



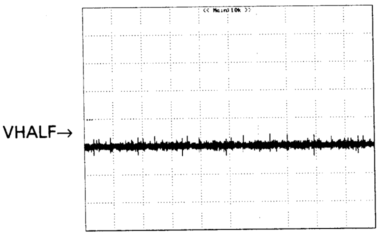
④ FDY 0.5V/div.500µs/div.
Focus jamp L 0 → L1



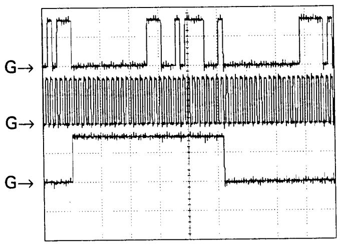
④ FDY 0.5V/div.500µs/div.
Focus jamp L1 → L 0



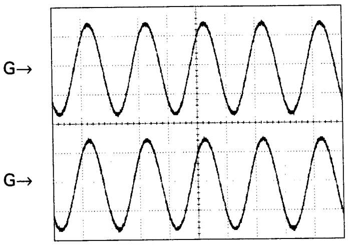
④ FDY 0.5V/div.20ms/div.
Play TD



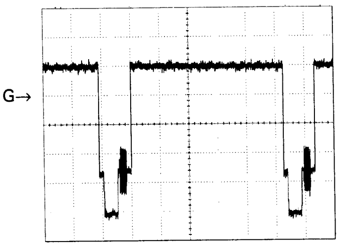
⑤ CH1: ADOUT0
⑥ CH2: SRCK 2V/div. 2µs/div.
⑦ CH3: LRCK



⑧ CH1: LO 1V/div. 500µs/div.
⑨ CH2: RO



⑩ CH1: COMPO 200mV/div. 10µs/div.
[White 100% output]

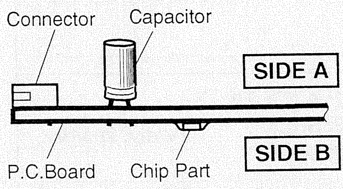


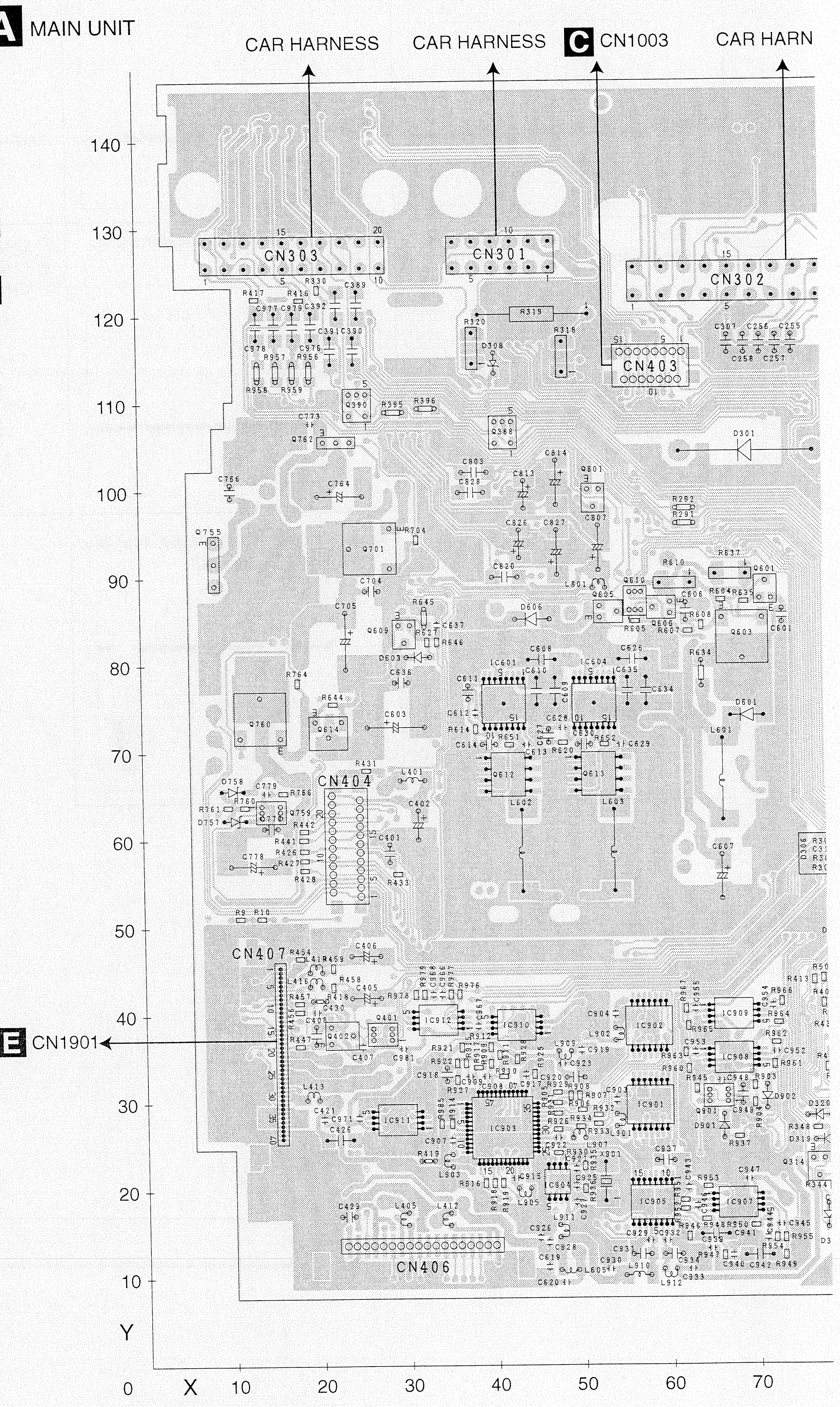
4. PCB CONNECTION DIAGRAM

4.1 MAIN UNIT

NOTE FOR PCB DIAGRAMS

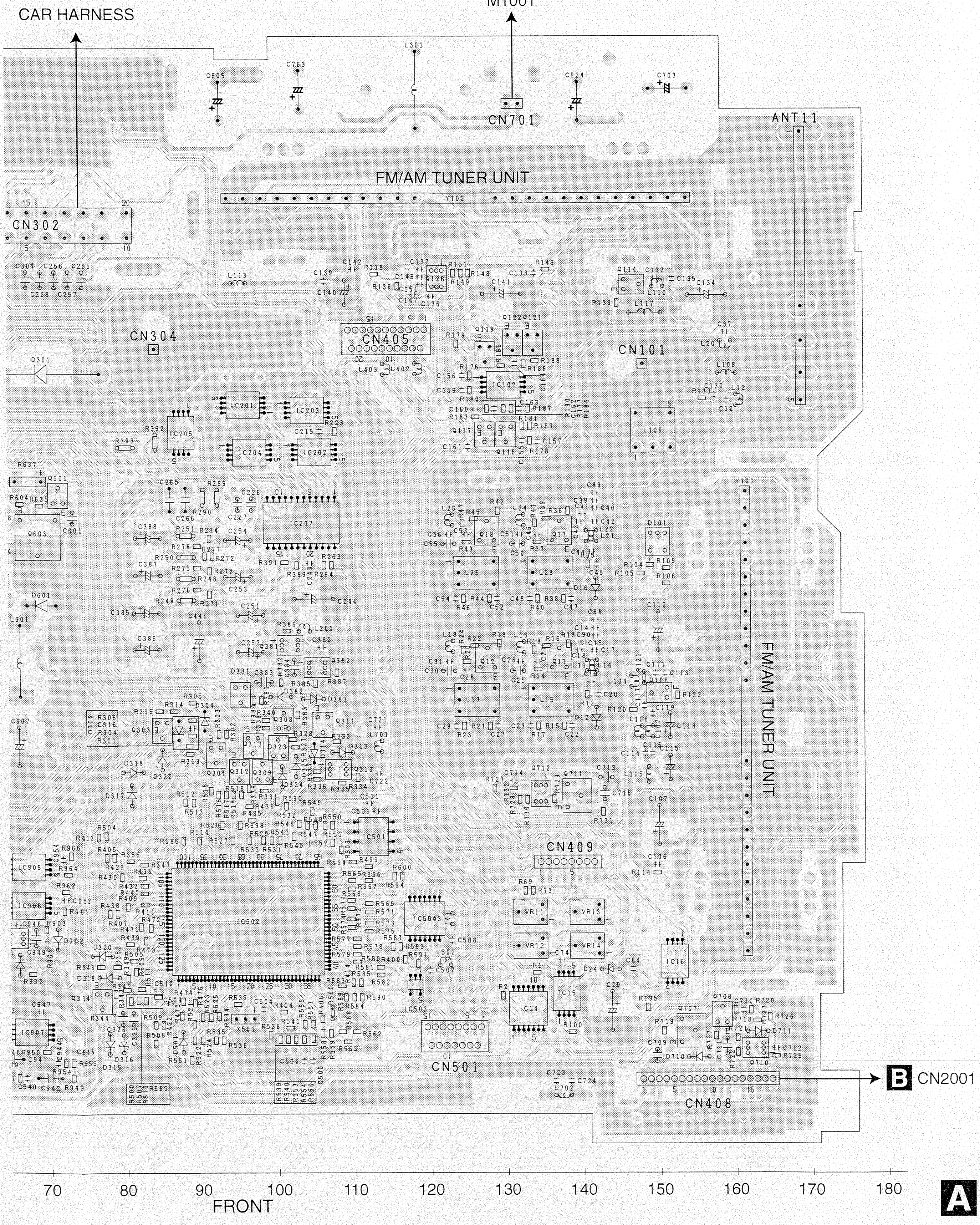
1. The parts mounted on this PCB include all necessary parts for several destination.
   For further information for respective destinations, be sure to check with the schematic diagram.
2. Viewpoint of PCB diagrams


Connector
Capacitor
SIDE A
SIDE B
P.C.Board
Chip Part


A MAIN UNIT
CAR HARNESS
CAR HARNESS
C CN1003
CAR HARN
CN303
CN301
CN302
CN403
CN404
CN407
CN406
E CN1901
Q701
Q760
Q614
Q603
IC601
IC604
IC912
IC910
IC902
IC909
IC908
IC911
IC903
IC901
IC904
IC905
IC907
D301
D601
L601
140
130
120
110
100
90
80
70
60
50
40
30
20
10
Y
0
X
10
20
30
40
50
60
70

SIDE A

A


CAR HARNESS
FAN MOTOR
M1001
CN701
ANT11
FM/AM TUNER UNIT
CN302
CN304
CN405
CN101
IC201
IC203
IC205
IC204
IC202
IC207
IC102
L109
Y101
FM/AM TUNER UNIT
CN409
IC501
IC502
IC503
IC504
IC505
IC909
IC906
IC907
VR11
VR13
VR12
VR14
IC14
IC15
IC16
CN501
CN408
B
CN2001
70
80
90
100
110
120
130
140
150
160
170
180
FRONT
A

B

C

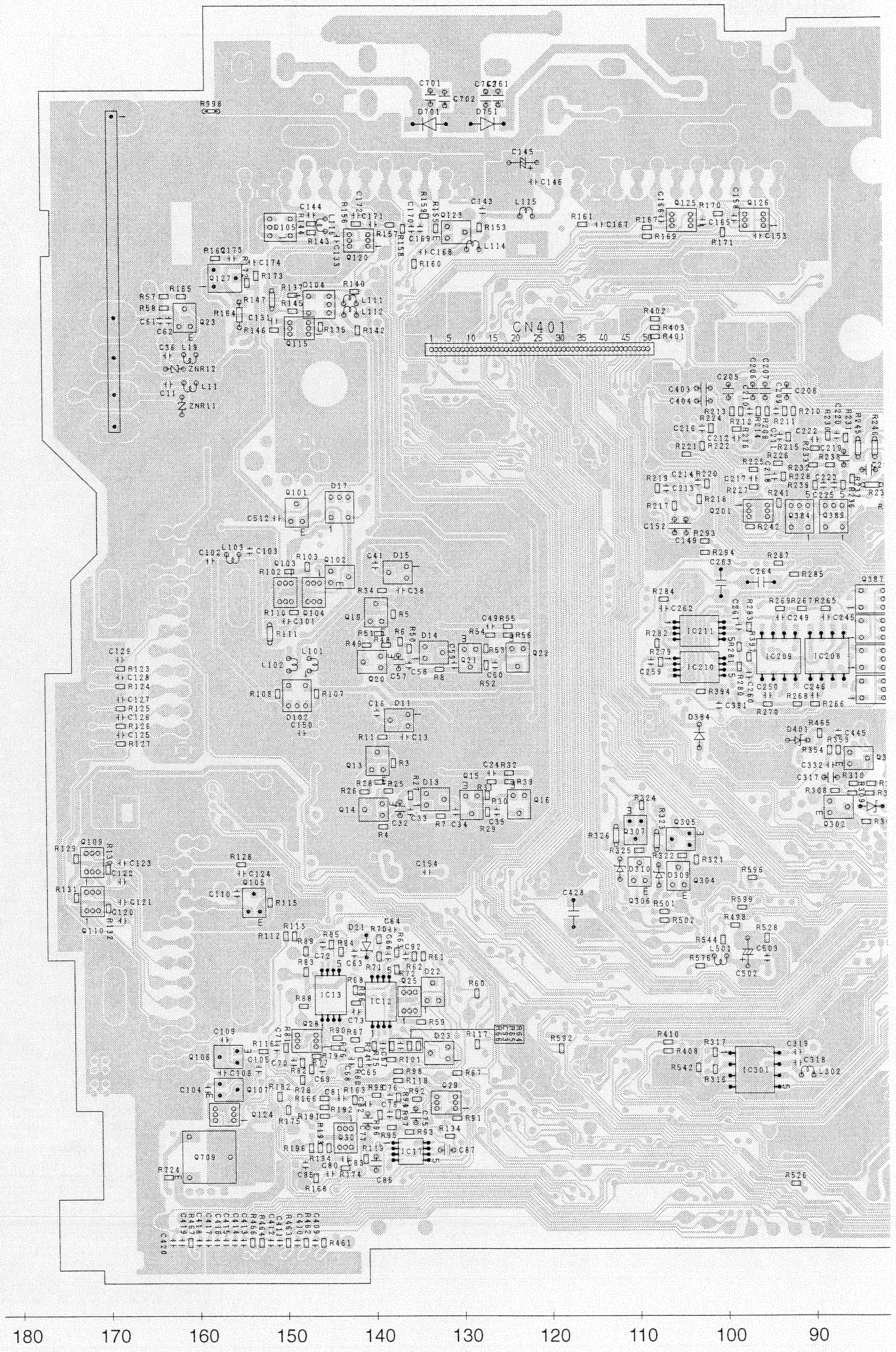
D

E

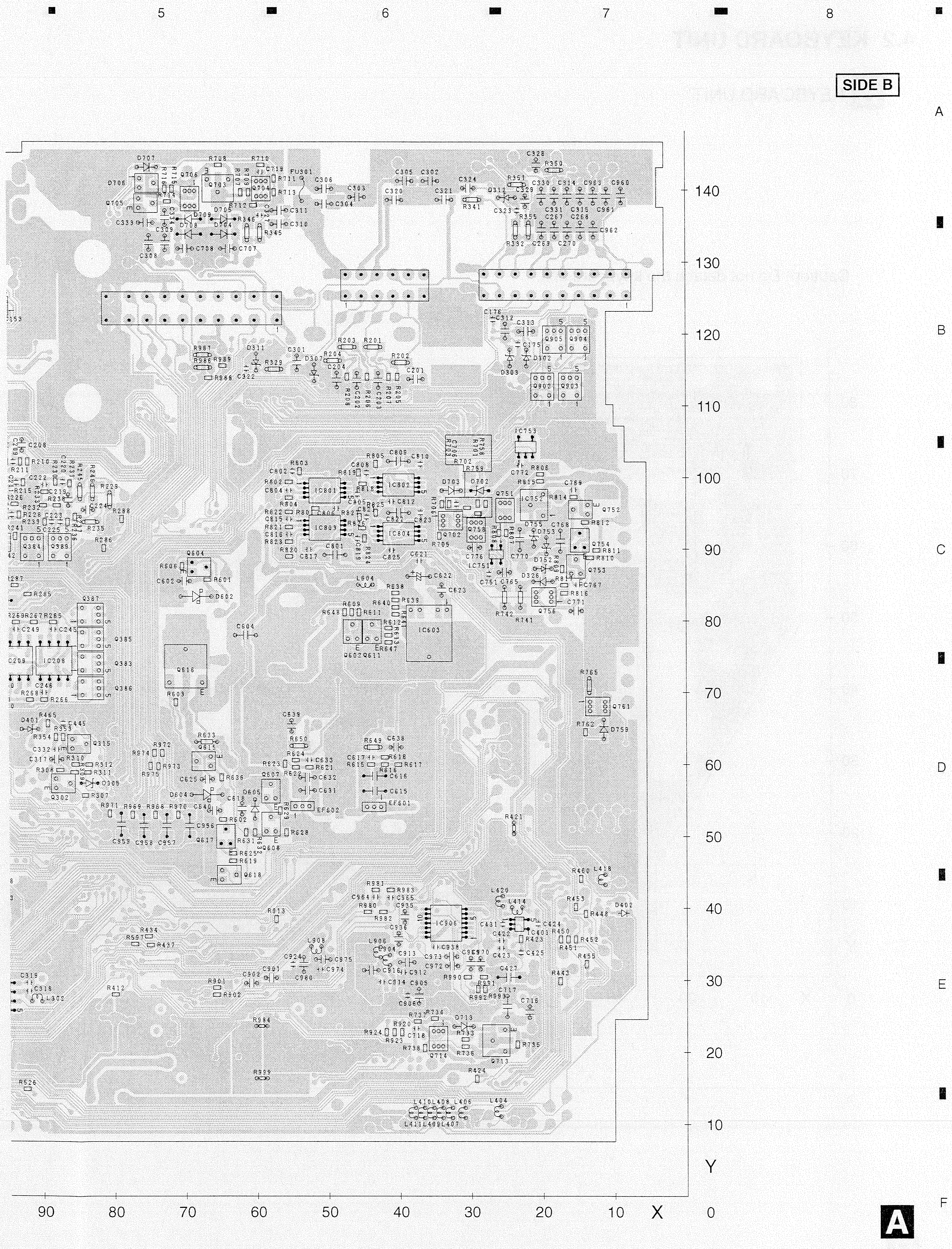
F

A MAIN UNIT

A B C D E F


CN401
1 5 10 15 20 25 30 35 40 45 50
IC211
IC210
IC209
IC208
IC13
IC12
IC11
IC301
Q709
Q101
Q102
Q103
Q104
Q105
Q106
Q107
Q109
Q110
Q115
Q120
Q123
Q125
Q126
Q127
D701
D751
C701
C702
C145
L115
R998
ZNR11
ZNR12
180
170
160
150
140
130
120
110
100
90

SIDE B


5
6
7
8
A
B
C
D
E
F
140
130
120
110
100
90
80
70
60
50
40
30
20
10
Y
90
80
70
60
50
40
30
20
10
X
0
IC801
IC802
IC803
IC804
IC603
IC208
IC753
IC752
IC906
Q616
FU301
D707
D706
Q705
Q706
Q703
Q704
R710
C719
C306
C303
C304
C305
C302
C320
C321
C324
C328
R350
R351
C329
Q312
R341
C323
C330
C314
C963
C960
C331
C315
C961
R355
C267
C268
C962
R332
C269
C270
C176
C312
C313
Q905
Q904
C175
D302
D303
Q902
Q903
R203
R201
R204
R202
C201
C204
D307
C301
D311
R329
R987
R986
R989
R988
C322
Q604
R606
C602
R601
D602
L604
C604
Q602
Q611
R765
Q761
R762
D759
Q315
Q302
D305
D604
D605
Q607
Q617
Q608
Q618
EF602
EF601
L420
L414
C431
C424
C401
D402
R448
L418
R460
R421
Q714
Q713
D713
L410
L408
L406
L404
L411
L409
L407
R424
R999
R984
R526
L302
R412
Q387
Q385
Q383
Q386
Q384
Q989
D703
D702
Q751
Q752
Q753
Q754
Q756
Q758
Q702
D752
D753
D755
D326
IC751
R742
R741
C771
C767

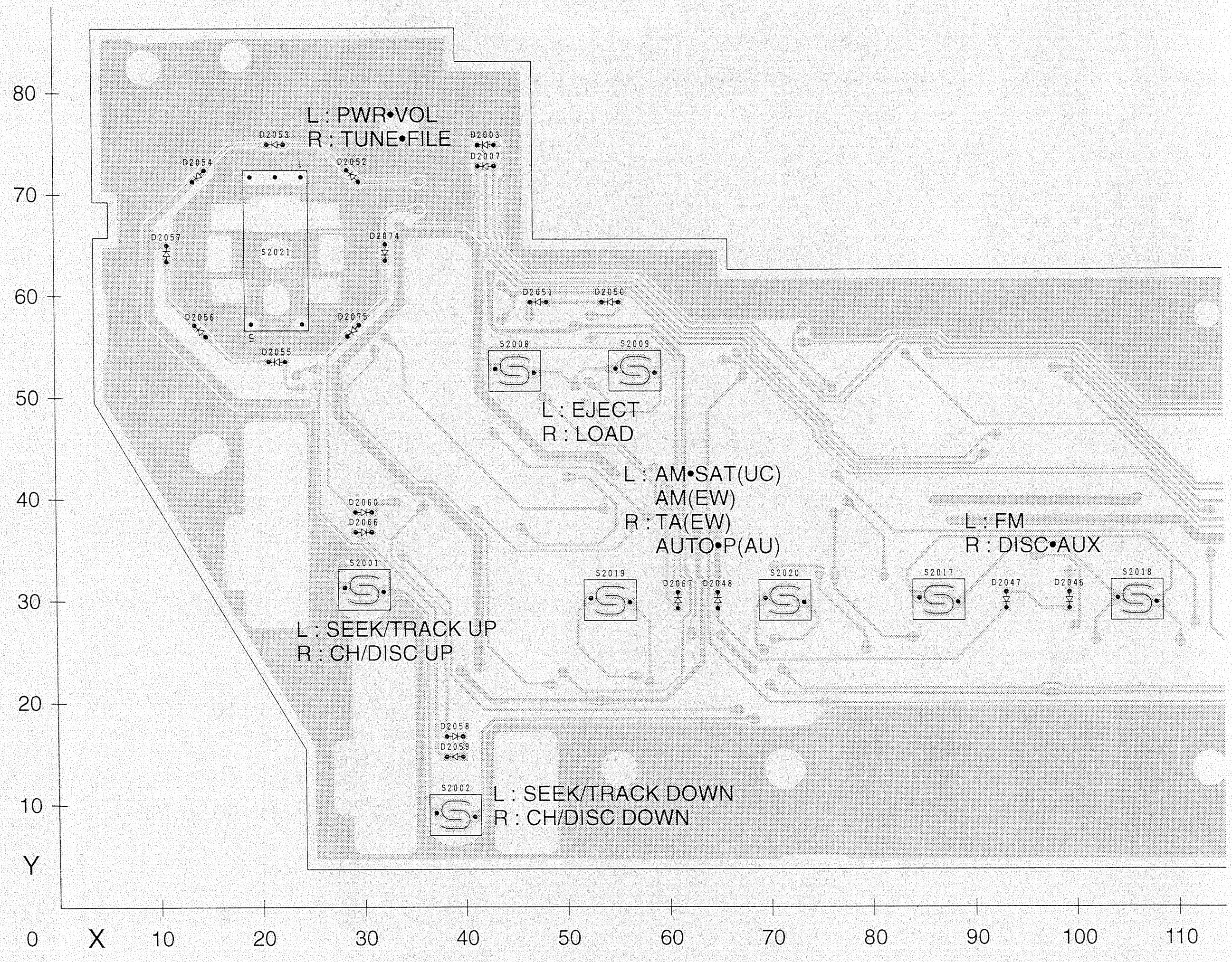
FX-MG9857DVZT/UC

A

4.2 KEYBOARD UNIT

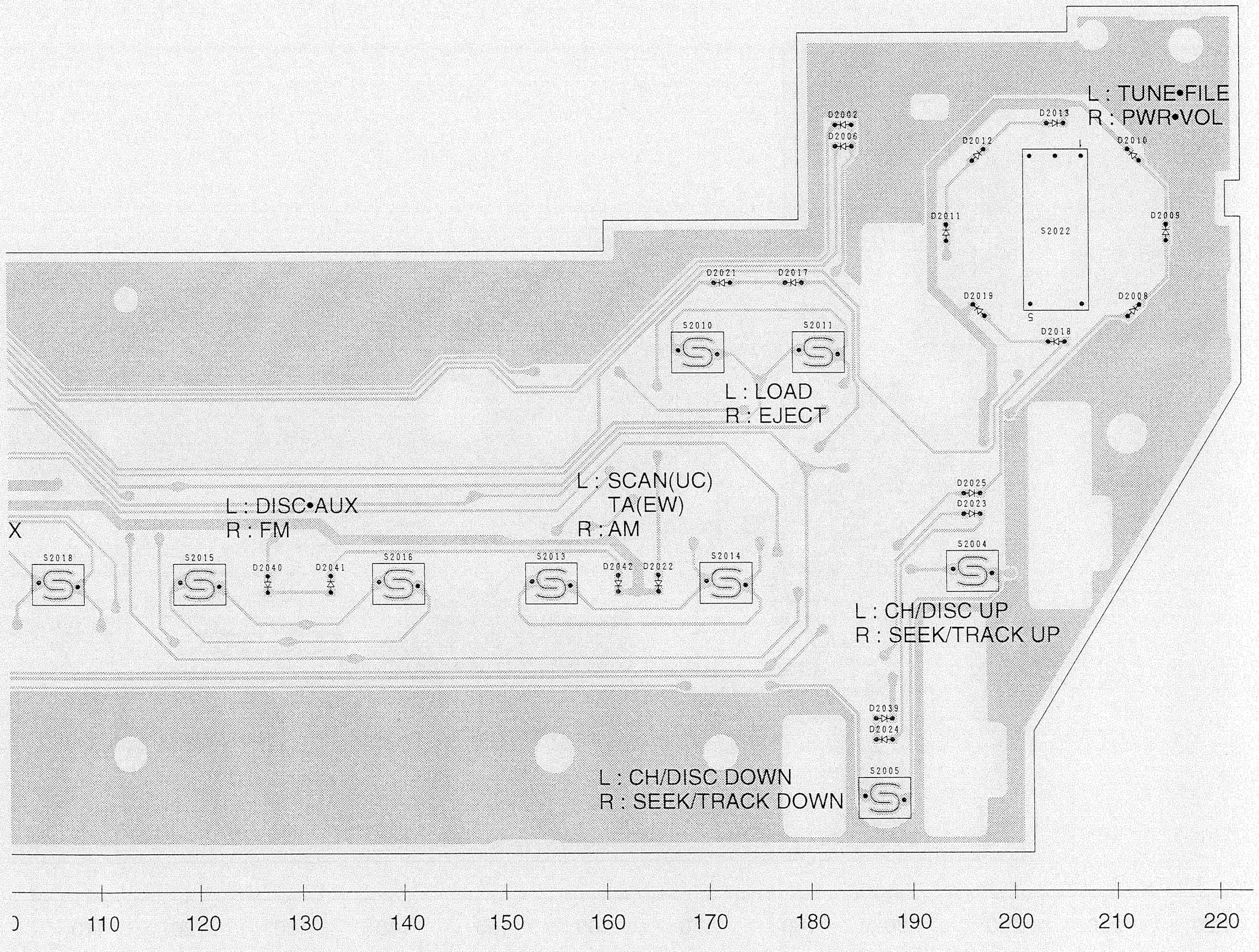
B KEYBOARD UNIT

Caution) Do not detach the keyboard unit.


L : PWR•VOL
R : TUNE•FILE
D2053
D2054
D2052
D2003
D2007
D2057
S2021
D2074
D2056
D2075
D2055
D2051
D2050
S2008
S2009
L : EJECT
R : LOAD
L : AM•SAT(UC)
AM(EW)
R : TA(EW)
AUTO•P(AU)
L : FM
R : DISC•AUX
D2060
D2066
S2001
S2019
D2067
D2048
S2020
S2017
D2047
D2046
S2018
L : SEEK/TRACK UP
R : CH/DISC UP
D2058
D2059
S2002
L : SEEK/TRACK DOWN
R : CH/DISC DOWN
80
70
60
50
40
30
20
10
Y
0
X
10
20
30
40
50
60
70
80
90
100
110

B

SIDE A


L : TUNE•FILE
R : PWR•VOL
D2002
D2006
D2013
D2012
D2010
D2011
D2005
S2022
D2021
D2017
D2019
D2008
D2018
S2010
S2011
L : LOAD
R : EJECT
L : SCAN(UC)
TA(EW)
R : AM
L : DISC•AUX
R : FM
X
D2025
D2023
S2004
S2018
S2015
D2040
D2041
S2016
S2013
D2042
D2022
S2014
L : CH/DISC UP
R : SEEK/TRACK UP
D2039
D2024
S2005
L : CH/DISC DOWN
R : SEEK/TRACK DOWN
110
120
130
140
150
160
170
180
190
200
210
220

L : FX-MG9857DVZT/UC , FX-MG9857DVZT/EW
R : FX-MG9757DVZT/EW , FX-MG9757DVZT/AU

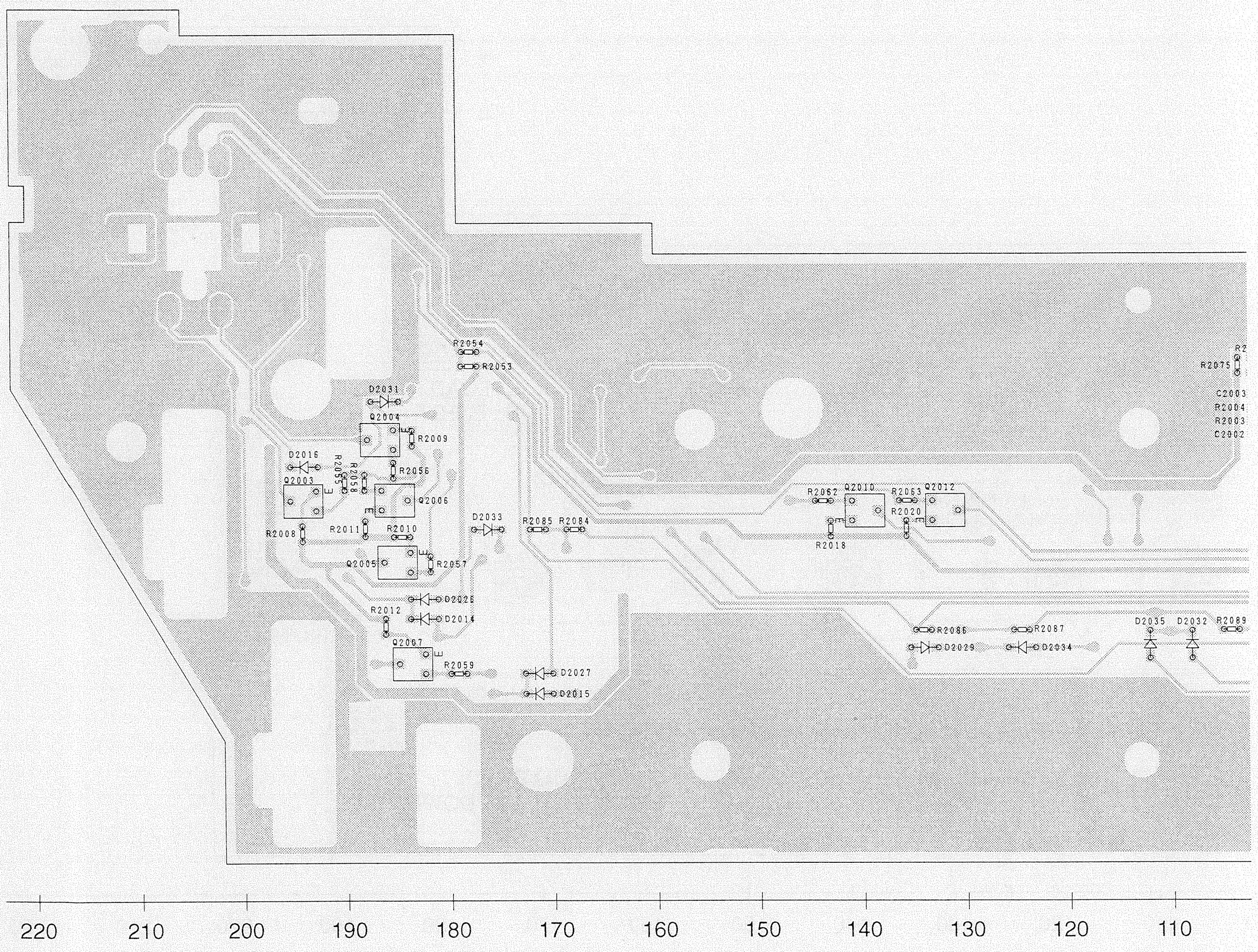
B

B KEYBOARD UNIT

A

Caution) Do not detach the keyboard unit.

B


R2054
R2053
D2031
Q2004
R2009
D2016
R2055
R2058
R2056
Q2003
E
Q2006
E
R2008
R2011
R2010
Q2005
E
R2057
D2026
R2012
D2014
Q2007
E
R2059
D2033
R2085
R2084
D2027
D2015
R2062
Q2010
R2063
Q2012
R2020
E
E
R2018
R2086
D2029
R2087
D2034
D2035
D2032
R2089
R2
R2075
C2003
R2004
R2003
C2002
220
210
200
190
180
170
160
150
140
130
120
110

C

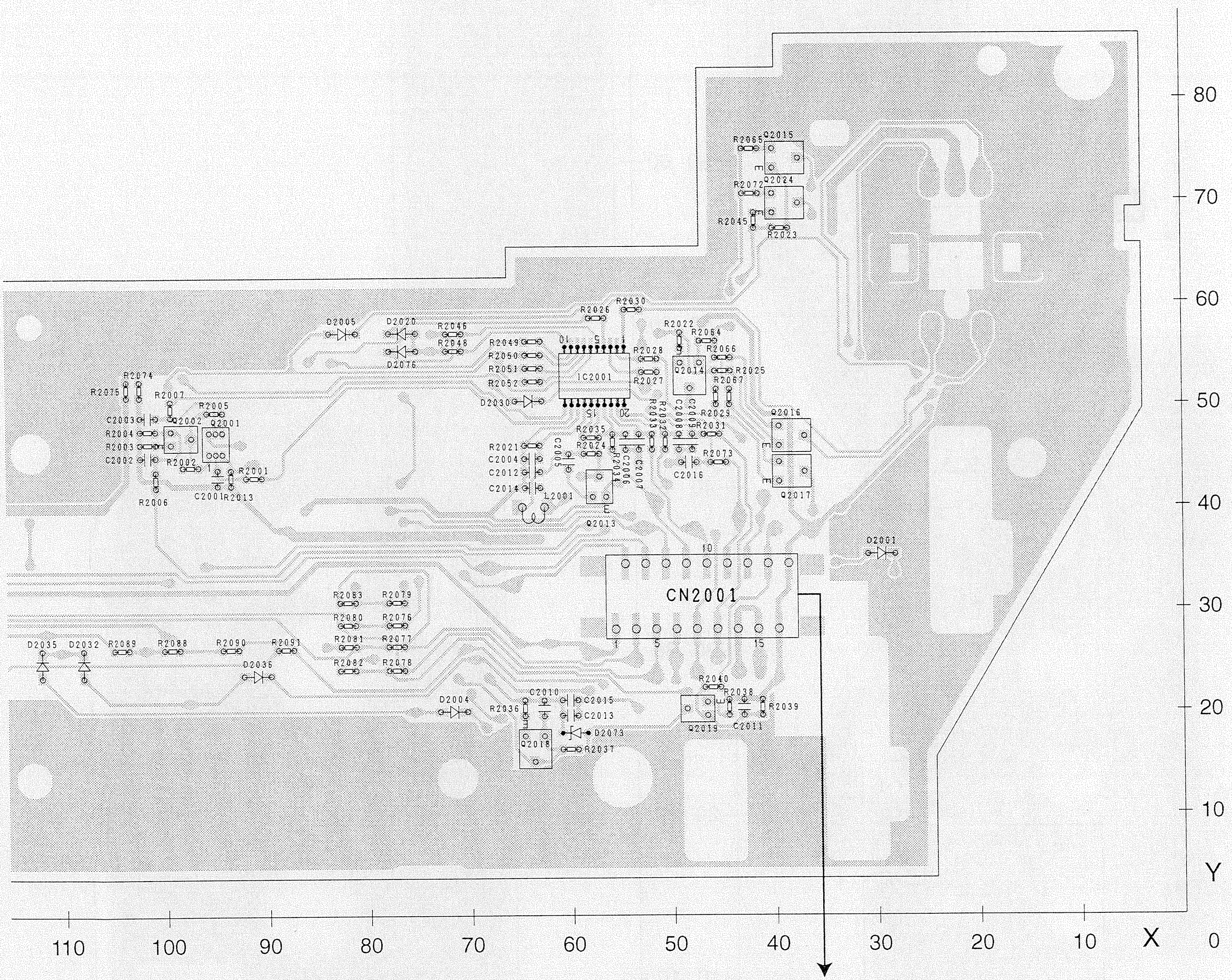
D

E

F

B

SIDE B

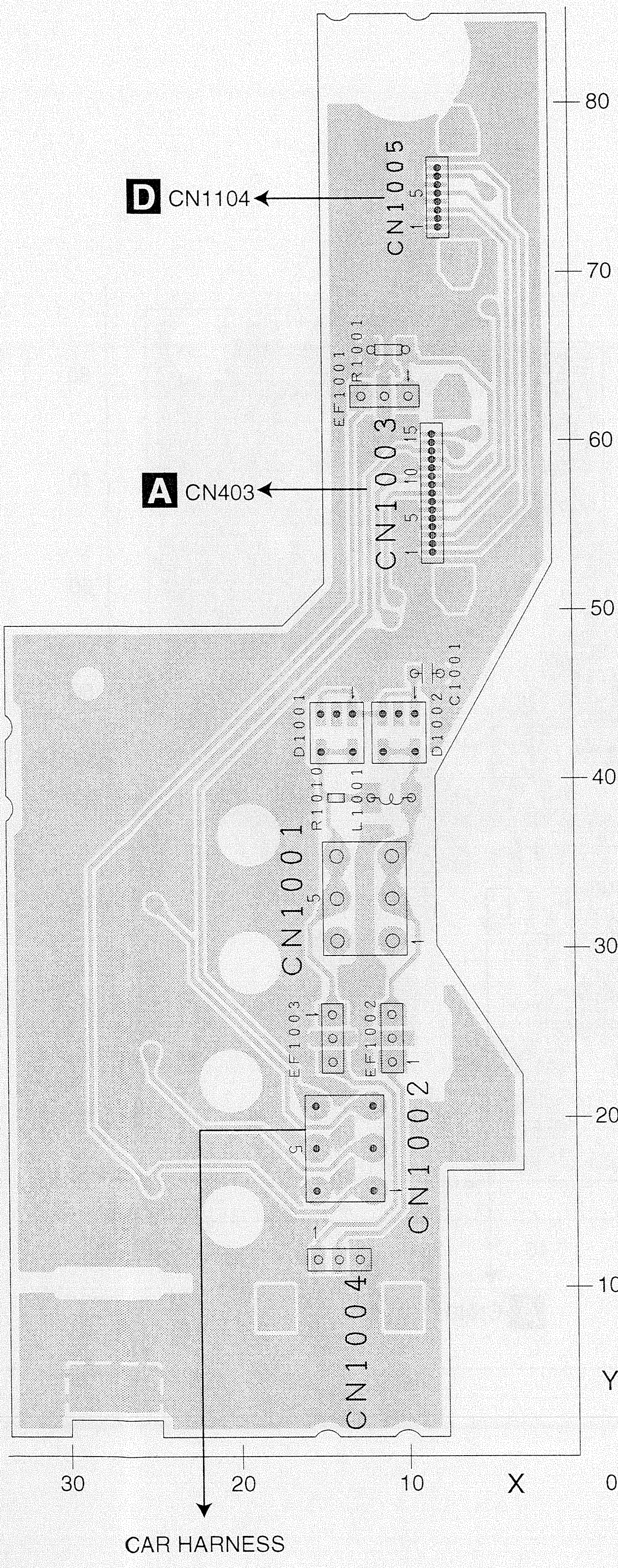

R2065
Q2015
E
R2072
Q2024
E
R2045
R2023
R2026
R2030
D2005
D2020
R2046
R2048
D2076
R2049
R2050
R2051
R2052
10
5
1
IC2001
15
20
R2028
R2027
R2022
R2064
R2066
Q2014
R2025
R2067
D2030
R2074
R2075
R2007
R2005
C2003
Q2002
Q2001
R2004
R2003
C2002
R2002
1
R2001
C2001
R2013
R2006
R2033
R2032
C2008
C2009
R2029
R2031
R2035
R2024
C2005
R2034
C2006
C2007
C2016
R2073
Q2016
E
E
Q2017
R2021
C2004
C2012
C2014
L2001
E
Q2013
D2001
10
CN2001
1
5
15
R2083
R2079
R2080
R2076
R2081
R2077
R2082
R2078
D2035
D2032
R2089
R2088
R2090
R2091
D2036
D2004
R2036
C2010
C2015
C2013
D2073
R2037
Q2018
R2040
R2038
E
R2039
Q2019
C2011
80
70
60
50
40
30
20
10
Y
110
100
90
80
70
60
50
40
30
20
10
X
0

A CN408

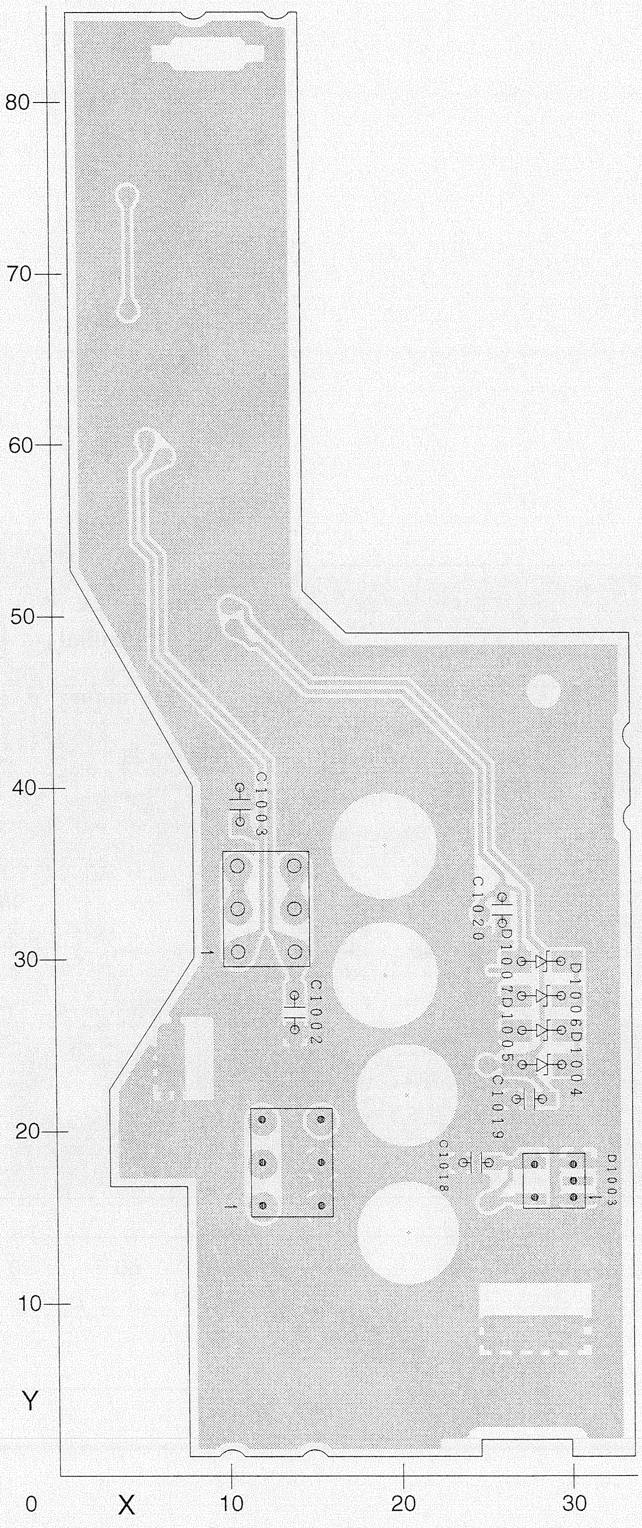
B

4.3 CONNECTOR1 PCB

C CONNECTOR1 PCB **SIDE A**


D CN1104
CN1005
1
5
R1001
EF1001
A CN403
CN1003
1
5
10
15
D1001
D1002
C1001
R1010
L1001
CN1001
5
1
EF1003
EF1002
CN1002
5
1
CN1004
80
70
60
50
40
30
20
10
Y
30
20
10
X
0
CAR HARNESS

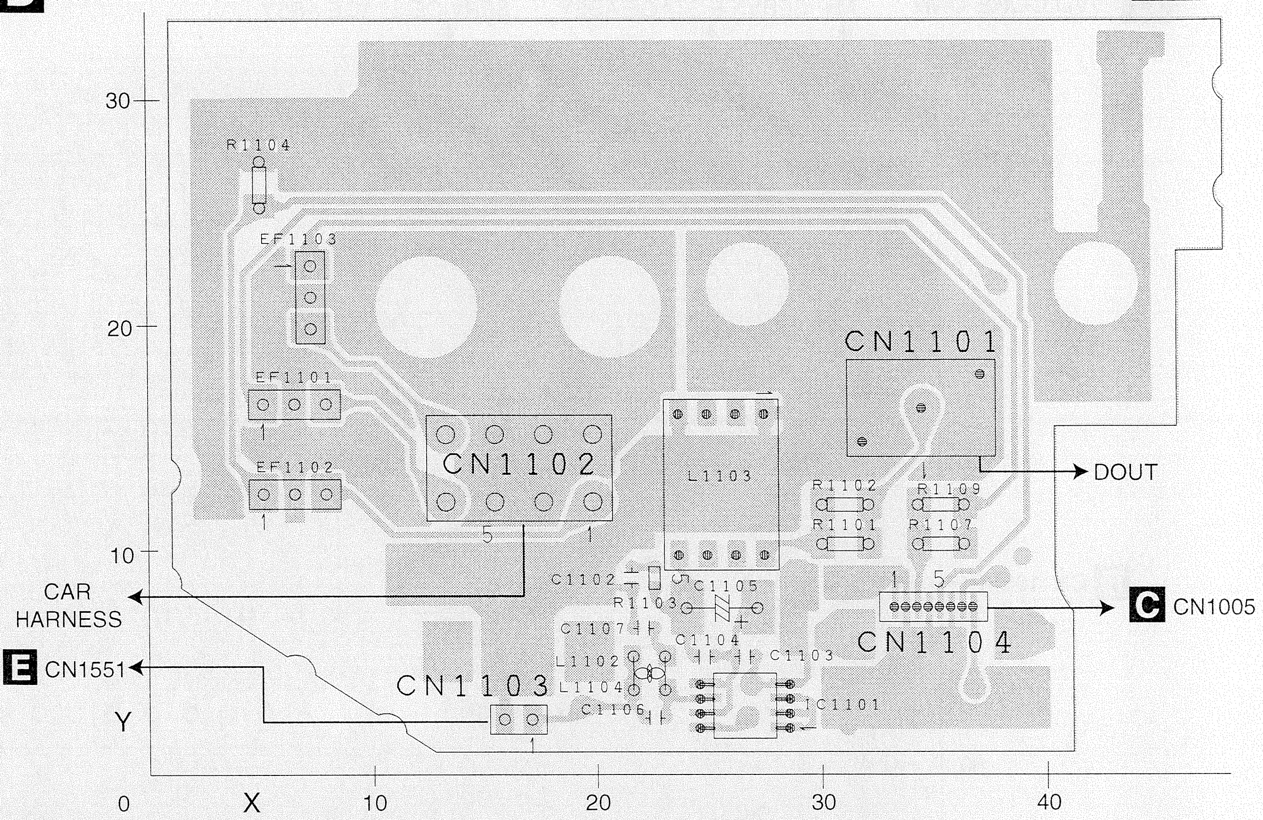
C CONNECTOR1 PCB **SIDE B**


80
70
60
50
40
30
20
10
Y
0
X
10
20
30
C1003
C1020
D1007
D1006
D1005
D1004
C1002
C1019
C1018
D1003
1

4.4 CONNECTOR2 PCB

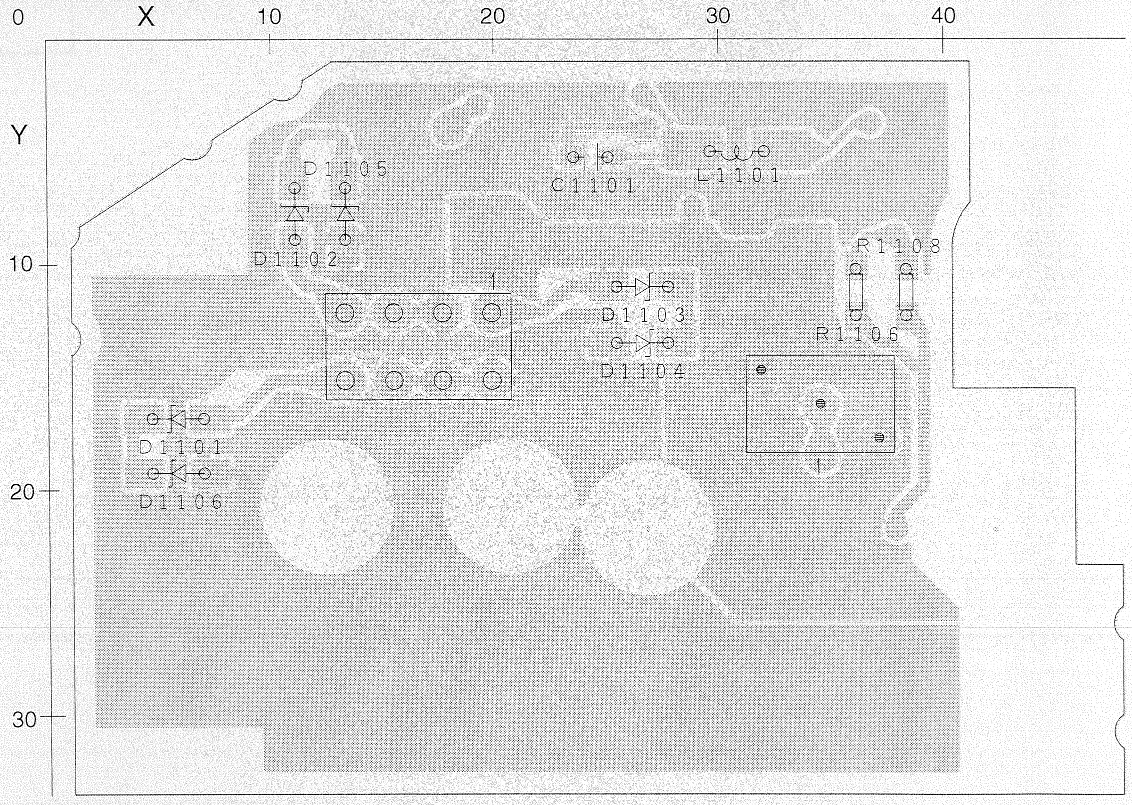
D CONNECTOR2 PCB

SIDE A


30
20
10
0
X
Y
10
20
30
40
R1104
EF1103
EF1101
EF1102
1
CN1102
5
1
L1103
CN1101
DOUT
R1102
R1109
R1101
R1107
C1102
C1105
R1103
C1107
C1104
C1103
L1102
L1104
C1106
IC1101
CN1103
CN1104
1
5
CAR
HARNESS
E CN1551
C CN1005

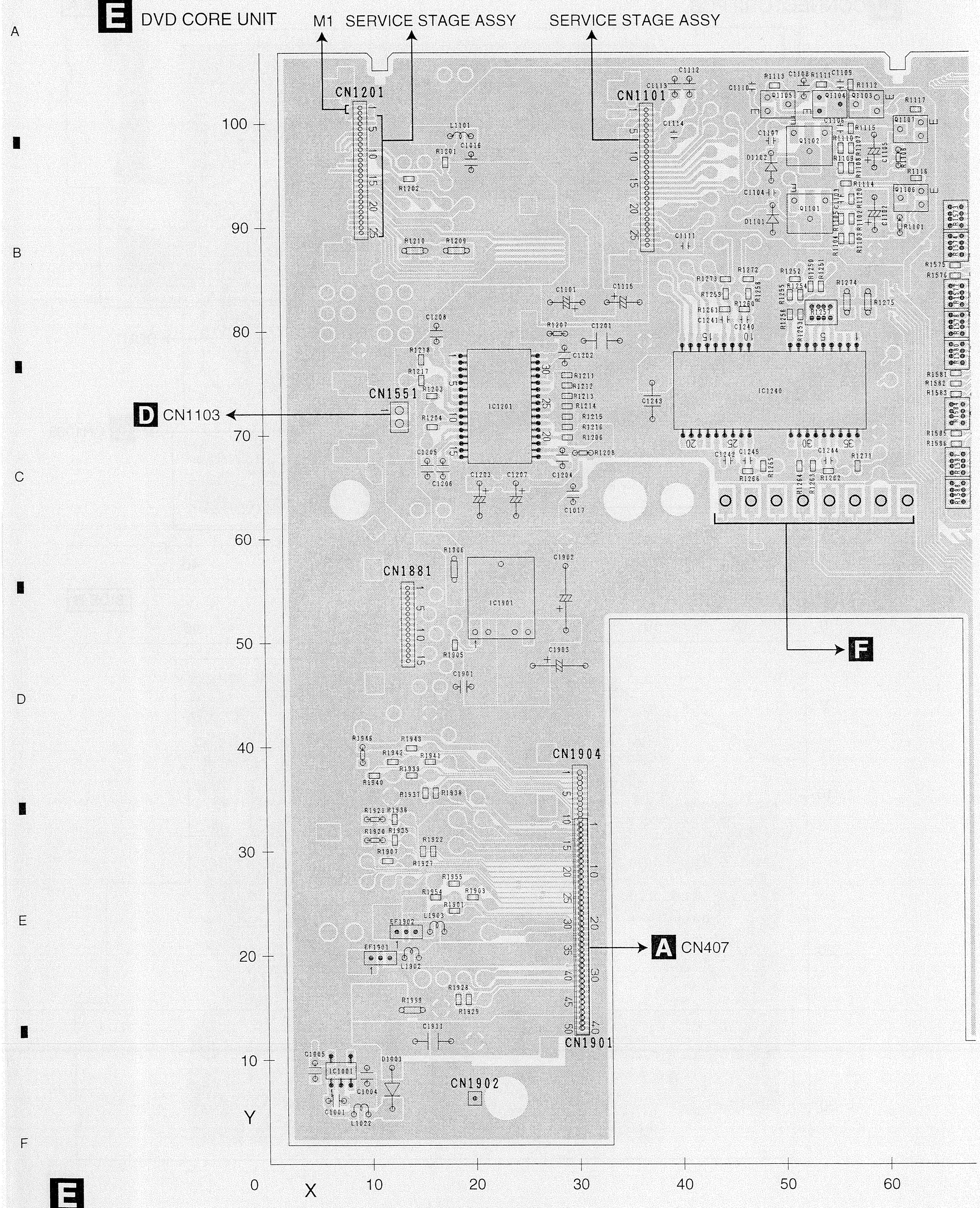
D CONNECTOR2 PCB

SIDE B

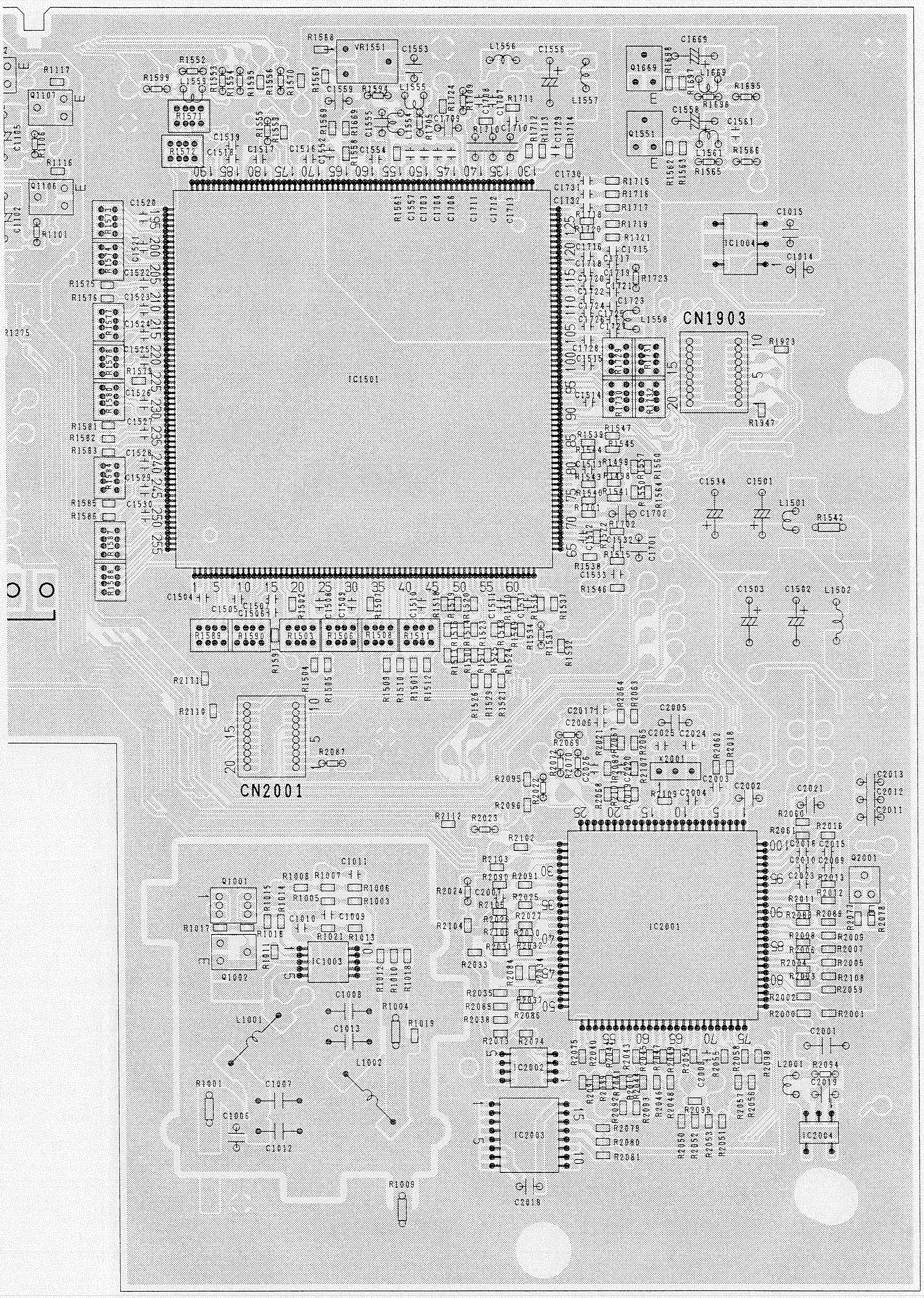

0
X
10
20
30
40
Y
10
20
30
D1105
D1102
C1101
L1101
R1108
R1106
D1103
D1104
D1101
D1106
1
1

D

4.5 DVD CORE UNIT

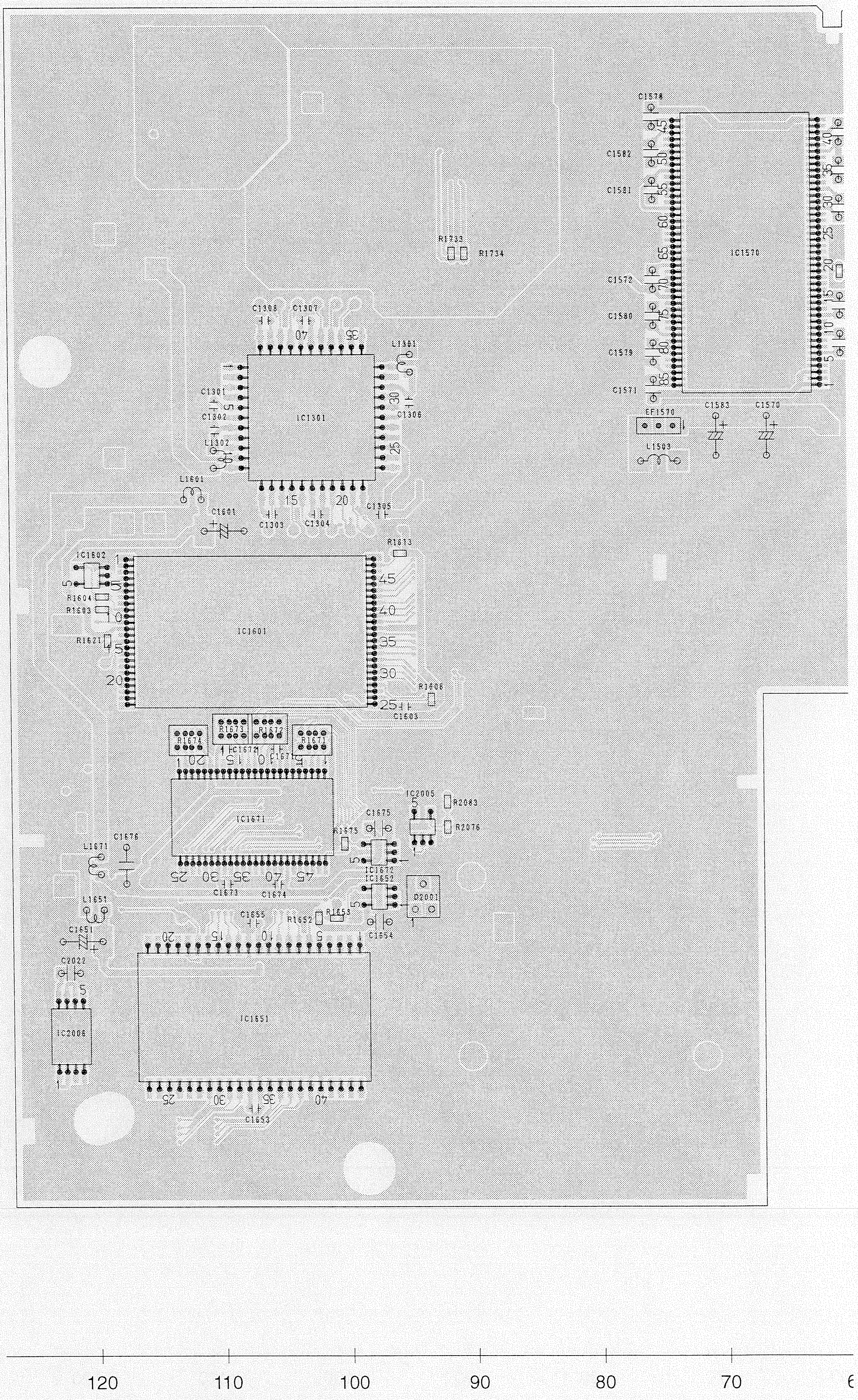

A
B
C
D
E
F
E DVD CORE UNIT
M1 SERVICE STAGE ASSY
SERVICE STAGE ASSY
CN1201
CN1101
D CN1103
CN1551
IC1201
IC1240
CN1881
IC1901
F
CN1904
A CN407
CN1901
CN1902
Q1101
Q1102
Q1103
Q1104
Q1105
Q1106
Q1107
D1101
D1102
D1003
IC1001
L1101
L1001
L1002
L1902
L1903
EF1901
EF1902
100
90
80
70
60
50
40
30
20
10
Y
0
X
10
20
30
40
50
60

SIDE A


IC1501
IC2001
IC1003
IC1004
IC2002
IC2003
IC2004
CN1903
CN2001
VR1551
Q1001
Q1002
Q1106
Q1107
Q1551
Q1669
Q2001
X2001
L1001
L1002
L1501
L1502
L1556
L1557
L1558
L2001

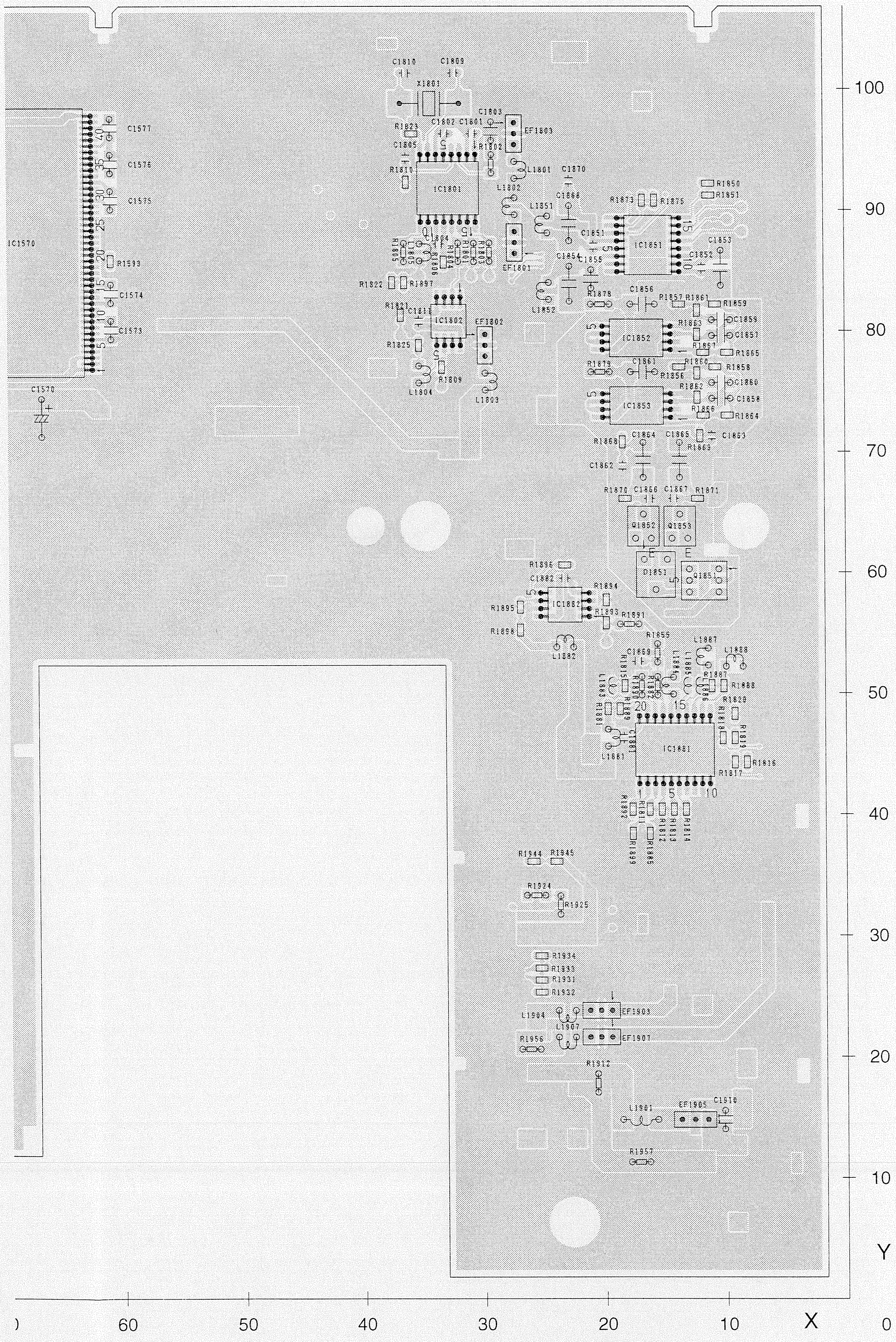
60 70 80 90 100 110 120

E DVD CORE UNIT


1
2
3
4
A
B
C
D
E
F
C1578
C1582
C1581
C1572
C1580
C1579
C1571
IC1570
EF1570
C1583
C1570
L1503
R1733
R1734
C1308
C1307
L1301
C1301
C1302
L1302
IC1301
C1306
L1601
C1601
C1303
C1304
C1305
R1613
IC1602
R1604
R1603
R1621
IC1601
R1608
C1603
R1674
R1673
R1672
R1671
C1672
C1671
IC1671
IC2005
R2083
R2076
C1675
R1675
L1671
C1676
C1673
C1674
IC1674
IC1652
D2001
L1651
C1655
R1652
R1653
C1654
C1651
C2022
IC2006
IC1651
C1653
120
110
100
90
80
70

SIDE B

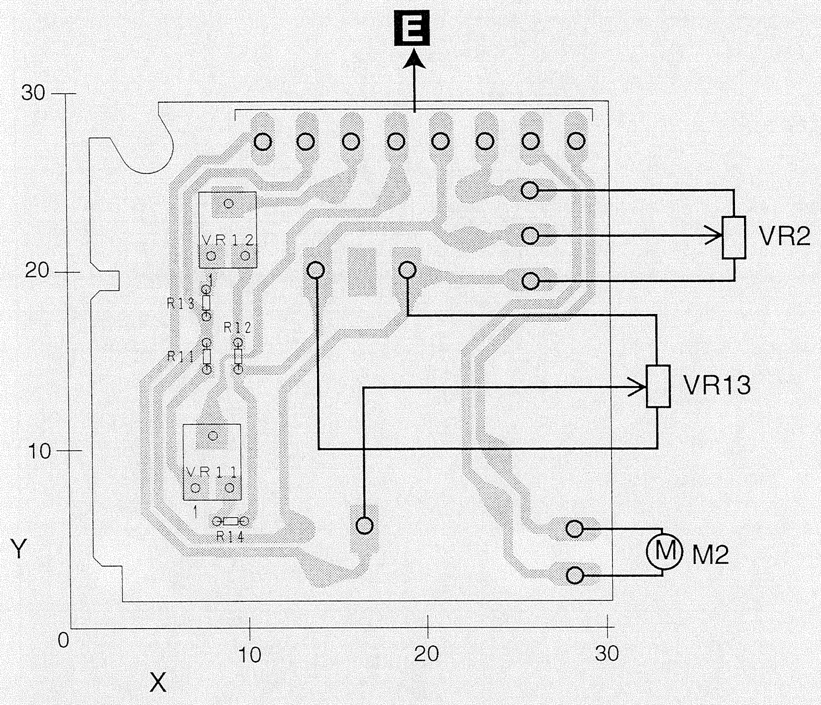
A
B
C
D
E
F


IC1570
C1577
C1576
C1575
C1574
C1573
R1593
C1570
X1801
C1810
C1809
IC1801
IC1802
EF1803
EF1801
EF1802
L1801
L1802
L1803
L1804
IC1851
IC1852
IC1853
L1851
L1852
Q1852
Q1853
D1851
Q1851
IC1882
L1882
IC1881
L1881
EF1903
EF1907
EF1905
L1901
L1904
L1907
C1510
R1957
100
90
80
70
60
50
40
30
20
10
Y
60
50
40
30
20
10
X
0

E

4.6 PCB ASSY

F PCB ASSY


E
30
20
10
0
10
20
30
Y
X
VR12
R13
R12
R11
VR11
1
R14
VR2
VR13
M
M2

5. ELECTRICAL PARTS LIST

NOTE:

- *Parts whose parts numbers are omitted are subject to being not supplied.*
- *The part numbers shown below indicate chip components.*
  Chip Resistor
  RS1/○S○○○J,RS1/○○S○○○J
  Chip Capacitor (except for CQS.....)
  CKS....., CCS....., CSZS.....
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *Meaning of the figures and others in the parentheses in the parts list.*
  Example) IC 301 is on the point (face A, 91 of x-axis, and 111 of y-axis) of the corresponding PC board.
  IC 301 (A, 91, 111) IC NJM2068V

Circuit Symbol and No. **Part No.**

Unit Number : CWM9648(UC)
Unit Number : CWM9646(AU)
Unit Name : Main Unit
Unit Number : CWM9647(EW)
Unit Name : Main Unit
Unit Number : CWM9654
Unit Name : Connector Unit
Unit Number : (FX-MG9857DVZT/UC)
(FX-MG9857DVZT/EW)
Unit Name : Keyboard Unit
Unit Number : (FX-MG9757DVZT/EW)
(FX-MG9757DVZT/AU)
Unit Name : Keyboard Unit
Unit Number : CWX3050
Unit Name : DVD Core Unit
Unit Number : CWX2986
Unit Name : PCB Assy

A

Unit Number : CWM9648(UC)
Unit Number : CWM9646(AU)
Unit Name : Main Unit

MISCELLANEOUS

Circuit Symbol and No.			Part No.
IC 201	(A,96,100)	IC	NJM2068V
IC 202	(A,105,94)	IC	NJM2068V
IC 203	(A,104,99)	IC	NJM4580V
IC 205	(A,88,97)	IC	NJM2068V
IC 207	(A,103,85)	IC	BD3842FS
IC 208	(B,88,74)	IC	OPA2134UA
IC 209	(B,94,74)	IC	OPA2134UA
IC 210	(B,103,73)	IC	NJM2068V
IC 211	(B,103,77)	IC	NJM2068V
IC 301	(B,97,28)	IC	HA12240FP
IC 401	(B,23,38)	IC	TC7SET08FUS1
IC 502	(A,96,33)	IC	PEG103C
IC 503	(A,118,24)	IC	TC7SET08FUS1
IC 504	(A,119,33)	IC	TC74VHC08FTS1
IC 601	(A,42,75)	IC	TPS54350PWP
IC 603	(B,36,77)	IC	BA00BC0WFP
IC 604	(A,52,75)	IC	TPS54350PWP
IC 751	(B,26,89)	IC	S-80940CNNB-G9A
IC 752	(B,22,96)	IC	S-812C56AUA-C3K
IC 753	(B,22,104)	IC	S-812C39AMC-C2T
IC 801	(B,50,98)	IC	NJM2235V
IC 802	(B,40,99)	IC	SM5304AV
IC 803	(B,50,93)	IC	NJM2235V
IC 804	(B,40,92)	IC	SM5304AV
Q 23	(B,161,113)	Transistor	2SC4081
Q 102	(B,144,84)	Transistor	2SC4081
Q 103	(B,150,82)	Transistor	UMX1N
Q 104	(B,147,82)	Transistor	UMH4N
Q 106	(B,157,29)	Transistor	2SA1576
Q 107	(B,157,26)	Transistor	2SA1576
Q 108	(A,150,62)	Transistor(UC)	DTC114EU
Q 109	(B,172,51)	Transistor(UC)	UMH1N
Q 110	(B,172,47)	Transistor(UC)	UMH1N
Q 301	(A,92,54)	Transistor	2SC4081
Q 302	(B,87,57)	Transistor	2SC4081
Q 303	(A,85,58)	Transistor	2SC4081
Q 308	(A,101,59)	Transistor	2SC4081
Q 309	(A,98,52)	Transistor	2SC4081
Q 310	(A,108,53)	Transistor	UMT2N
Q 311	(A,106,58)	Transistor	DTC144EU
Q 312	(A,95,52)	Transistor	DTA114EU
Q 313	(A,97,56)	Transistor	2SC4081
Q 314	(A,77,22)	Transistor	DTA114EU
Q 315	(B,85,63)	Transistor	2SC4081
Q 381	(A,102,69)	Transistor	UMZ1N
Q 382	(A,105,66)	Transistor	UMZ1N

Circuit Symbol and No.			Part No.
Q 383	(B,83,74)	Transistor	FMG12
Q 384	(B,91,90)	Transistor	FMG12
Q 385	(B,83,78)	Transistor	FMG12
Q 386	(B,83,71)	Transistor	FMG12
Q 387	(B,83,81)	Transistor	FMG12
Q 388	(A,42,107)	Transistor	FMG12
Q 389	(B,88,90)	Transistor	FMG12
Q 390	(A,25,110)	Transistor	FMG12
Q 401	(A,27,38)	Transistor	UMH4N
Q 402	(A,22,38)	Transistor	DTA144TK
Q 601	(A,71,88)	Transistor	2SC4081
Q 602	(B,47,79)	Transistor	DTC114EU
Q 603	(A,69,81)	Transistor	2SA1952
Q 604	(B,68,88)	Transistor	2SA1576
Q 605	(A,54,86)	Transistor	DTC114EU
Q 606	(A,60,86)	Transistor	2SA1576
Q 607	(B,58,56)	Transistor	2SB1689
Q 608	(B,58,52)	Transistor	2SC4081
Q 609	(A,30,84)	Transistor	2SC4081
Q 610	(A,57,87)	Transistor	UMD12N
Q 611	(B,44,79)	Transistor	DTC114EU
Q 612	(A,42,67)	POWER MOS FET	RSS090N03
Q 613	(A,52,67)	POWER MOS FET	RSS090N03
Q 614	(A,21,72)	Transistor	2SB1427
Q 615	(B,67,61)	Transistor	2SC4081
Q 616	(B,70,76)	Transistor	2SA1952
Q 617	(B,64,50)	Transistor	2SA1576
Q 618	(B,64,45)	Transistor	DTC114EU
Q 701	(A,24,93)	Transistor	2SB1184F5
Q 702	(B,33,94)	Transistor	UMX1N
Q 703	(B,65,140)	Transistor	2SB1260
Q 704	(B,59,140)	Transistor	UMX1N
Q 705	(B,75,138)	Transistor	DTC114EU
Q 706	(B,69,139)	Transistor	UMT2N
Q 707	(A,155,18)	Transistor	2SB1260
Q 708	(A,158,21)	Transistor	2SC4081
Q 709	(B,157,18)	Transistor	2SB1184F5
Q 710	(A,162,16)	Transistor	UMX1N
Q 713	(B,27,22)	Transistor	2SB1260
Q 714	(B,35,22)	Transistor	UMX1N
Q 751	(B,25,96)	Transistor	UMD12N
Q 752	(B,15,96)	Transistor	2SC4081
Q 753	(B,15,88)	Transistor	2SC4154-11
Q 754	(B,15,91)	Transistor	2SA1602A
Q 755	(A,9,92)	Transistor	2SB1185
Q 756	(B,20,83)	Transistor	UMF5N
Q 762	(A,23,104)	Transistor	2SD1767
Q 801	(A,52,99)	Transistor	DTC144EU
D 101	(A,150,82)	Diode	CPH5512
D 102	(B,149,70)	Diode	CPH5512
D 301	(A,69,104)	Diode	RM4LFJ10
D 304	(A,91,59)	Diode	HZU8R2(B1)
D 305	(B,84,57)	Diode	HZU8R2(B1)
D 306	(A,87,58)	Diode	HZU8R2(B1)
D 307	(B,52,115)	Diode	UDZS18(B)
D 308	(A,41,115)	Diode	UDZS18(B)
D 311	(B,60,116)	Diode	UDZS18(B)
D 312	(B,25,139)	Diode	UDZS18(B)
D 313	(A,109,55)	Diode	1SS355
D 314	(A,105,55)	Diode	HZU9R1(B1)

Circuit Symbol and No.			Part No.
D 315	(A,78,17)	Diode	1SS355
D 316	(A,80,17)	Diode	UDZS8R2(B)
D 317	(A,81,49)	Diode	1SS355
D 318	(A,81,52)	Diode	1SS355
D 319	(A,78,25)	Diode	1SS355
D 320	(A,77,28)	Diode	1SS355
D 322	(A,85,54)	Diode	1SS355
D 323	(A,100,55)	Diode	DAP202U
D 324	(A,101,52)	Diode	1SS355
D 325	(A,103,53)	Diode	1SS355
D 326	(B,20,86)	Diode	1SS355
D 381	(A,95,62)	Diode	DAP202U
D 382	(A,101,62)	Diode	1SS355
D 383	(A,105,62)	Diode	1SS355
D 384	(B,103,65)	Diode	1SS355
D 401	(B,92,65)	Diode	UDZS4R7(B)
D 402	(B,9,39)	Diode	RB520S-30
D 601	(A,69,74)	Diode	RSX201L-30
D 602	(B,68,83)	Diode	PTZ16(A)
D 603	(A,32,81)	Diode	1SS355
D 604	(B,67,56)	Diode	PTZ16(A)
D 605	(B,60,54)	Diode	1SS355
D 606	(A,45,85)	Diode	1SR154-400
D 701	(B,133,135)	Diode	RB051L-40
D 702	(B,29,98)	Diode	HZU8R2(B1)
D 703	(B,33,98)	Diode	1SS355
D 704	(B,64,134)	Diode	RR264M-400
D 705	(B,64,136)	Diode	RR264M-400
D 706	(B,75,141)	Diode	DAN202U
D 707	(B,75,143)	Diode	1SS355
D 708	(B,69,134)	Diode	RR264M-400
D 709	(B,69,136)	Diode	RR264M-400
D 710	(A,155,15)	Diode	1SS355
D 711	(A,163,18)	Diode	1SS355
D 713	(B,31,24)	Diode	1SS355
D 751	(B,126,135)	Diode	1SR154-400
D 752	(B,20,87)	Diode	UDZS16(B)
D 753	(B,19,91)	Diode	UDZS9R1(B)
D 755	(B,21,92)	Diode	UDZS16(B)
ZNR11	(B,161,103)	Surge Protector	IMSA-6801-01Y901
ZNR12	(B,162,107)	Surge Protector	IMSA-6801-01Y901
L 11	(B,160,106)	Inductor	LCYB68NJ1608
L 12	(A,160,101)	Inductor	LCYB12NJ1608
L 19	(B,160,109)	Inductor	LCYB68NJ1608
L 20	(A,159,108)	Inductor	LCYB12NJ1608
L 101	(B,147,74)	Inductor	LCTC6R8K1608
L 102	(B,149,74)	Inductor	LCTC6R8K1608
L 103	(B,156,86)	Inductor	LCTC6R8K1608
L 104	(A,147,64)	Inductor	CTF1473
L 105	(A,149,52)	Inductor	CTF1295
L 106	(A,148,57)	Inductor	CTF1473
L 107	(A,149,57)	Inductor	CTF1473
L 108	(A,159,104)	Chip Coil	LCTAW330J2520
L 109	(A,150,97)	Coil	CTB1112
L 201	(A,104,71)	Inductor	CTF1473
L 301	(A,119,141)	Choke Coil 95µH	CTH1301
L 302	(B,91,27)	Inductor	CTF1473
L 413	(A,19,30)	Inductor	CTF1558
L 414	(B,24,40)	Inductor	CTF1473
L 416	(A,20,43)	Inductor	CTF1473

Circuit Symbol and No.		Part No.
L 417	(A,20,45) Inductor	CTF1473
L 418	(B,11,44) Inductor	CTF1306
L 420	(B,26,41) Inductor	CTF1473
L 501	(B,101,41) Inductor	CTF1473
L 502	(A,122,27) Inductor	CTF1473
L 503	(A,123,33) Inductor	CTF1473
L 601	(A,66,67) Inductor	CTH1257
L 602	(A,43,59) Inductor	CTH1257
L 603	(A,54,59) Inductor	CTH1257
L 605	(A,48,11) Inductor	CTF1295
L 701	(A,114,56) Inductor	CTF1473
L 702	(A,137,10) Inductor	CTF1295
L 801	(A,53,89) Inductor	CTF1473
X 501	(A,96,20) Radiator 10.0MHz	CSS1577
⚠FU301	(B,53,140) Fuse 8A	CEK1263
Y 101	(A,162,89) FM/AM Tuner Unit(UC)	CWE1836
Y 101	(A,162,89) FM/AM Tuner Unit(AU)	CWE1842
EF601	(B,44,54) EMI Filter	CCG1163
EF602	(B,54,54) EMI Filter	CCG1163

RESISTORS

R 1	(A,134,26)	RS1/16SS0R0J
R 2	(A,129,23)	RS1/16SS0R0J
R 10	(A,13,51) (UC)	RS1/16SS332J
R 10	(A,13,51) (AU)	RS1/16SS122J
R 57	(B,163,115)	RS1/16SS223J
R 58	(B,163,114)	RS1/16SS472J
R 67	(B,131,28)	RS1/16SS0R0J
R 102	(B,149,84)	RS1/16SS222J
R 103	(B,147,85)	RS1/16SS222J
R 104	(A,149,79)	RS1/16SS104J
R 105	(A,148,78)	RS1/16SS225J
R 106	(A,151,77)	RS1/16SS225J
R 107	(B,146,70)	RS1/16SS225J
R 108	(B,151,70)	RS1/16SS225J
R 109	(A,151,79)	RS1/16SS104J
R 110	(B,149,80)	RS1/16SS102J
R 111	(B,152,77)	RS1/10S821J
R 114	(A,150,39)	RS1/16SS471J
R 116	(B,153,30)	RS1/16SS272J
R 118	(B,138,27)	RS1/16SS272J
R 120	(A,147,60) (UC)	RS1/16SS103J
R 122	(A,153,62) (UC)	RS1/16SS681J
R 123	(B,169,73)	RS1/16SS681J
R 124	(B,169,71)	RS1/16SS681J
R 125	(B,169,69)	RS1/16SS681J
R 126	(B,169,67)	RS1/16SS681J
R 127	(B,169,65)	RS1/16SS681J
R 128	(B,155,51)	RS1/16SS222J
R 129	(B,174,52) (UC)	RS1/16SS223J
R 130	(B,170,51) (UC)	RS1/16SS223J
R 131	(B,174,47) (UC)	RS1/16SS223J
R 132	(B,170,46) (UC)	RS1/16SS223J
R 133	(A,156,101)	RS1/16SS222J
R 165	(B,161,115)	RS1/16SS473J
R 201	(B,44,118)	RS1/10S103J
R 202	(B,40,116)	RS1/10S103J
R 203	(B,47,118)	RS1/10S103J
R 204	(B,49,116)	RS1/10S103J
R 205	(B,40,114)	RS1/16SS562J

Circuit Symbol and No.		Part No.
R 206	(B,44,114)	RS1/16SS562J
R 207	(B,41,114)	RS1/16SS562J
R 208	(B,47,114)	RS1/16SS562J
R 209	(B,95,102)	RS1/16SS473J
R 210	(B,92,102)	RS1/16SS473J
R 211	(B,93,102)	RS1/16SS473J
R 212	(B,98,102)	RS1/16SS473J
R 213	(B,99,102)	RS1/16SS473J
R 214	(B,96,102)	RS1/16SS473J
R 215	(B,93,99)	RS1/16SS473J
R 216	(B,99,100)	RS1/16SS473J
R 217	(B,106,92)	RS1/16SS153J
R 218	(B,103,92)	RS1/16SS153J
R 219	(B,108,94)	RS1/16SS223J
R 220	(B,102,94)	RS1/16SS223J
R 221	(B,104,97)	RS1/16SS333J
R 222	(B,102,98)	RS1/16SS333J
R 223	(A,108,97)	RS1/16SS223J
R 224	(B,101,100)	RS1/16SS223J
R 230	(B,88,99)	RS1/16SS223J
R 231	(B,86,99)	RS1/16SS333J
R 232	(B,90,96)	RS1/16SS333J
R 233	(B,90,98)	RS1/16SS223J
R 236	(B,86,94)	RS1/16SS223J
R 237	(B,85,95)	RS1/16SS333J
R 238	(B,88,96)	RS1/16SS333J
R 239	(B,90,94)	RS1/16SS223J
R 245	(B,85,98)	RS1/10S102J
R 246	(B,83,98)	RS1/10S102J
R 248	(A,88,77)	RS1/10S101J
R 249	(A,88,75)	RS1/10S101J
R 250	(A,88,80)	RS1/10S101J
R 251	(A,88,83)	RS1/10S101J
R 263	(A,107,79)	RS1/16SS471J
R 264	(A,106,79)	RS1/16SS471J
R 265	(B,89,80)	RS1/16SS153J
R 266	(B,90,69)	RS1/16SS153J
R 267	(B,91,80)	RS1/16SS153J
R 268	(B,92,69)	RS1/16SS153J
R 269	(B,94,80)	RS1/16SS153J
R 270	(B,95,69)	RS1/16SS153J
R 271	(A,91,75)	RS1/16SS223J
R 272	(A,92,80)	RS1/16SS223J
R 273	(A,91,78)	RS1/16SS223J
R 274	(A,91,83)	RS1/16SS223J
R 275	(A,90,79)	RS1/16SS101J
R 276	(A,90,76)	RS1/16SS101J
R 277	(A,91,80)	RS1/16SS101J
R 278	(A,90,82)	RS1/16SS101J
R 279	(B,107,74)	RS1/16SS153J
R 280	(B,98,73)	RS1/16SS153J
R 281	(B,98,76)	RS1/16SS153J
R 282	(B,108,76)	RS1/16SS153J
R 283	(B,97,78)	RS1/16SS153J
R 284	(B,107,81)	RS1/16SS153J
R 285	(B,92,84)	RS1/16SS223J
R 286	(B,81,90)	RS1/16SS223J
R 287	(B,94,85)	RS1/16SS223J
R 288	(B,79,94)	RS1/16SS223J
R 289	(A,92,88)	RS1/10S101J

Circuit Symbol and No.		Part No.
R 290	(A,90,88)	RS1/10S101J
R 291	(A,62,96)	RS1/10S101J
R 292	(A,62,98)	RS1/10S101J
R 301	(A,89,56)	RS1/16SS223J
R 302	(A,93,57)	RS1/16SS223J
R 303	(A,92,57)	RS1/16SS473J
R 304	(A,89,57)	RS1/16SS103J
R 305	(A,89,61)	RS1/16SS222J
R 306	(A,89,59)	RS1/16SS222J
R 307	(B,84,56)	RS1/16SS223J
R 308	(B,88,59)	RS1/16SS223J
R 309	(B,86,59)	RS1/16SS473J
R 310	(B,86,60)	RS1/16SS103J
R 311	(B,84,59)	RS1/16SS222J
R 312	(B,84,60)	RS1/16SS222J
R 313	(A,89,55)	RS1/16SS223J
R 314	(A,87,60)	RS1/16SS472J
R 315	(A,85,60)	RS1/16SS472J
R 316	(B,102,28)	RS1/16SS472J
R 317	(B,102,30)	RS1/16SS472J
R 318	(A,49,115)	RS1/4S101J
R 319	(A,45,120)	RS1PMF680J
R 320	(A,38,116)	RS1/4S101J
R 327	(A,102,55)	RS1/16SS472J
R 328	(A,102,56)	RS1/16SS103J
R 329	(B,57,115)	RS1/10S221J
R 331	(A,98,50)	RS1/16SS103J
R 332	(B,24,135)	RS1/10S221J
R 333	(A,108,56)	RS1/16SS473J
R 334	(A,111,51)	RS1/16SS473J
R 335	(A,109,51)	RS1/16SS103J
R 336	(A,105,51)	RS1/16SS103J
R 337	(A,105,52)	RS1/16SS103J
R 338	(A,96,50)	RS1/16SS473J
R 339	(A,99,58)	RS1/16SS471J
R 340	(A,99,59)	RS1/16SS392J
R 341	(B,30,139)	RS1/10S101J
R 342	(A,80,24)	RS1/16SS223J
R 343	(A,79,23)	RS1/16SS223J
R 344	(A,78,20)	RS1/16SS222J
R 345	(B,59,134)	RS1/10S472J
R 346	(B,61,134)	RS1/10S472J
R 347	(A,82,40)	RS1/16SS473J
R 348	(A,77,27)	RS1/16SS103J
R 349	(A,80,25)	RS1/16SS152J
R 350	(B,18,143)	RS1/10S102J
R 351	(B,23,141)	RS1/10S102J
R 352	(A,79,27)	RS1/16SS152J
R 353	(B,87,64)	RS1/16SS104J
R 354	(B,88,64)	RS1/16SS103J
R 356	(A,81,41)	RS1/16SS102J
R 381	(A,98,62)	RS1/16SS153J
R 382	(A,101,64)	RS1/16SS153J
R 383	(A,103,60)	RS1/16SS471J
R 384	(A,97,62)	RS1/16SS472J
R 385	(A,105,64)	RS1/16SS472J
R 386	(A,101,71)	RS1/16SS223J
R 387	(A,108,65)	RS1/16SS223J
R 389	(A,103,79)	RS1/16SS103J
R 391	(A,101,80)	RS1/16SS103J

Circuit Symbol and No.		Part No.
R 392	(A,84,95)	RS1/10S101J
R 393	(A,80,95)	RS1/10S101J
R 394	(B,103,71)	RS1/16SS103J
R 395	(A,29,109)	RS1/10S101J
R 396	(A,33,109)	RS1/10S101J
R 397	(B,97,74)	RS1/16SS103J
R 400	(A,117,28)	RS1/16SS473J
R 401	(B,108,111)	RS1/16SS473J
R 403	(B,108,112)	RS1/16SS473J
R 418	(A,20,42)	RS1/16S0R0J
R 419	(A,32,23)	RS1/16S0R0J
R 421	(B,24,51)	RS1/16S0R0J
R 423	(B,23,36)	RS1/16SS471J
R 424	(B,29,16)	RS1/16SS473J
R 431	(A,26,68)	RS1/16SS0R0J
R 436	(A,96,48)	RS1/16SS473J
R 447	(A,18,36)	RS1/16SS102J
R 448	(B,14,39)	RS1/16SS102J
R 450	(B,18,36)	RS1/16SS471J
R 451	(B,17,36)	RS1/16SS471J
R 452	(B,15,36)	RS1/16SS471J
R 458	(A,22,43)	RS1/16SS332J
R 459	(A,22,45)	RS1/16SS332J
R 460	(B,15,44)	RS1/16SS102J
R 461	(B,146,8)	RS1/16SS472J
R 462	(B,148,8)	RS1/16SS472J
R 463	(B,150,8)	RS1/16SS472J
R 464	(B,153,8)	RS1/16SS472J
R 465	(B,89,66)	RS1/16SS222J
R 466	(B,154,8)	RS1/16SS472J
R 467	(B,161,8)	RS1/16SS472J
R 474	(A,87,22)	RS1/16SS222J
R 475	(A,87,20)	RS1/16SS222J
R 476	(A,89,22)	RS1/16SS222J
R 498	(B,99,44)	RS1/16SS473J
R 499	(A,112,40)	RS1/16SS102J
R 500	(A,81,22) (AU)	RS1/16SS473J
R 505	(A,81,28)	RS1/16SS102J
R 506	(A,81,26)	RS1/16SS102J
R 507	(A,82,23) (UC)	RS1/16SS473J
R 507	(A,82,23) (AU)	RS1/16SS103J
R 509	(A,84,19)	RS1/16SS102J
R 510	(A,83,22)	RS1/16SS473J
R 511	(A,82,24) (AU)	RS1/16SS223J
R 515	(A,91,50)	RS1/16SS102J
R 516	(A,92,49)	RS1/16SS102J
R 517	(A,93,49)	RS1/16SS102J
R 518	(A,94,49)	RS1/16SS102J
R 519	(A,95,49)	RS1/16SS102J
R 520	(A,93,45)	RS1/16SS471J
R 521	(A,89,19)	RS1/16SS102J
R 522	(A,89,17)	RS1/16SS152J
R 523	(A,90,20)	RS1/16SS102J
R 524	(A,90,17)	RS1/16SS102J
R 525	(A,91,20)	RS1/16SS102J
R 526	(B,92,15)	RS1/16SS473J
R 527	(A,94,43)	RS1/16SS471J
R 528	(B,96,43)	RS1/16SS105J
R 529	(A,98,43)	RS1/16SS103J
R 530	(A,100,48)	RS1/16SS103J

Circuit Symbol and No.		Part No.
R 531	(A,99,43)	RS1/16SS471J
R 532	(A,101,48)	RS1/16SS471J
R 533	(A,96,43)	RS1/16SS102J
R 534	(A,92,20)	RS1/16SS102J
R 535	(A,92,17)	RS1/16SS102J
R 536	(A,93,17)	RS1/16SS102J
R 537	(A,95,22)	RS1/16SS0R0J
R 538	(A,99,18)	RS1/16SS473J
R 539	(A,100,17) (UC)	RS1/16SS471J
R 540	(A,101,17) (UC)	RS1/16SS102J
R 542	(B,103,28)	RS1/16SS102J
R 547	(A,104,45)	RS1/16SS473J
R 548	(A,105,45)	RS1/16SS102J
R 549	(A,105,47)	RS1/16SS102J
R 550	(A,106,45)	RS1/16SS102J
R 551	(A,107,45)	RS1/16SS102J
R 552	(A,107,43)	RS1/16SS102J
R 553	(A,102,17)	RS1/16SS102J
R 554	(A,103,17)	RS1/16SS102J
R 555	(A,103,19)	RS1/16SS102J
R 556	(A,105,17)	RS1/16SS102J
R 559	(A,107,18)	RS1/16SS102J
R 560	(A,107,21)	RS1/16S0R0J
R 570	(A,110,34) (UC)	RS1/16SS102J
R 571	(A,112,34) (UC)	RS1/16SS102J
R 572	(A,110,33) (UC)	RS1/16SS102J
R 573	(A,112,33)	RS1/16SS102J
R 575	(A,112,31)	RS1/16SS471J
R 576	(B,103,40)	RS1/16SS102J
R 577	(A,110,30)	RS1/16SS102J
R 579	(A,110,28)	RS1/16SS471J
R 581	(A,113,27)	RS1/16SS101J
R 582	(A,113,26)	RS1/16SS101J
R 583	(A,108,24)	RS1/16SS102J
R 584	(A,110,23)	RS1/16SS102J
R 585	(A,111,25)	RS1/16SS103J
R 587	(A,115,29)	RS1/16SS473J
R 588	(A,108,18)	RS1/16SS103J
R 589	(A,109,23)	RS1/16SS473J
R 590	(A,111,23)	RS1/16SS473J
R 591	(A,118,27)	RS1/16SS471J
R 592	(B,119,30)	RS1/16SS471J
R 593	(A,116,29)	RS1/16SS471J
R 598	(A,95,45)	RS1/16SS102J
R 601	(B,67,86)	RS1/16SS102J
R 602	(B,65,52)	RS1/16SS102J
R 603	(B,71,69)	RS1/16SS103J
R 604	(A,66,87)	RS1/16SS103J
R 605	(A,57,85)	RS1/16SS103J
R 606	(B,70,88)	RS1/16SS103J
R 607	(A,63,84)	RS1/16SS223J
R 608	(A,64,84)	RS1/16SS223J
R 609	(B,47,81)	RS1/16SS7503D
R 610	(A,61,89)	RS1/4SR22J
R 611	(B,46,81)	RS1/16SS1303D
R 612	(B,42,79)	RS1/16SS7503D
R 613	(B,42,78)	RS1/16SS1303D
R 614	(A,38,73)	RS1/16SS750J
R 615	(B,44,60)	RS1/16SS1001D
R 616	(B,42,60)	RS1/16SS1000D

Circuit Symbol and No.		Part No.
R 617	(B,40,60)	RS1/16SS24R0D
R 618	(B,42,61)	RS1/16SS160J
R 619	(B,63,47)	RS1/16SS103J
R 620	(A,48,71)	RS1/16SS750J
R 621	(B,53,60)	RS1/16SS1001D
R 622	(B,54,60)	RS1/16SS1800D
R 623	(B,56,60)	RS1/16SS33R0D
R 624	(B,54,61)	RS1/16SS160J
R 625	(B,63,48)	RS1/16SS103J
R 627	(A,33,83)	RS1/16SS220J
R 628	(B,56,51)	RS1/16SS391J
R 629	(B,57,54)	RS1/16SS223J
R 631	(B,62,51)	RS1/16SS472J
R 632	(B,60,51)	RS1/16SS220J
R 633	(B,67,63)	RS1/8S0R0J
R 635	(A,69,87)	RS1/16SS221J
R 636	(B,65,58)	RS1/16SS221J
R 638	(B,41,84)	RS1/16SS1203D
R 639	(B,41,83)	RS1/16SS1502D
R 640	(B,41,82)	RS1/16SS6802D
R 641	(B,41,81)	RS1/16SS1202D
R 644	(A,22,76)	RS1/16SS223J
R 645	(A,33,85)	RS1/10S121J
R 646	(A,34,83)	RS1/16SS102J
R 647	(B,42,77)	RS1/16SS103J
R 648	(B,48,81)	RS1/16SS103J
R 651	(A,42,71)	RS1/16SS100J
R 652	(A,53,71)	RS1/16SS100J
R 701	(B,29,96)	RS1/16SS221J
R 702	(B,30,96)	RS1/16SS471J
R 703	(B,33,96)	RS1/16SS331J
R 704	(A,32,94)	RS1/16SS223J
R 705	(B,34,92)	RS1/16SS471J
R 706	(B,34,96)	RS1/16SS223J
R 707	(B,62,140)	RS1/16SS333J
R 708	(B,65,144)	RS1/16SS223J
R 709	(B,61,140)	RS1/16SS473J
R 710	(B,59,144)	RS1/16SS152J
R 711	(B,57,142)	RS1/16SS222J
R 712	(B,60,138)	RS1/16SS223J
R 713	(B,57,140)	RS1/16SS473J
R 714	(B,72,139)	RS1/16SS153J
R 715	(B,72,140)	RS1/16SS180J
R 716	(B,73,140)	RS1/16SS223J
R 717	(A,157,18)	RS1/16SS470J
R 718	(A,160,21)	RS1/16SS152J
R 719	(A,150,18)	RS1/16SS223J
R 720	(A,162,21)	RS1/16SS472J
R 721	(A,160,18)	RS1/16SS821J
R 722	(A,160,16)	RS1/16SS153J
R 723	(A,163,20)	RS1/16SS470J
R 724	(B,164,16)	RS1/16SS223J
R 725	(A,165,15)	RS1/16SS222J
R 726	(A,164,20)	RS1/16SS472J
R 733	(B,31,22)	RS1/16SS103J
R 734	(B,35,25)	RS1/16SS101J
R 735	(B,24,21)	RS1/16SS223J
R 736	(B,31,21)	RS1/16SS103J
R 737	(B,38,24)	RS1/16SS223J
R 738	(B,37,21)	RS1/16SS102J

Circuit Symbol and No.		Part No.
R 741	(B,23,83)	RS1/8S511J
R 742	(B,25,83)	RS1/8S511J
R 801	(B,52,96)	RS1/16SS223J
R 802	(B,55,99)	RS1/16SS104J
R 803	(B,54,101)	RS1/16SS105J
R 804	(B,55,97)	RS1/16SS105J
R 805	(B,43,102)	RS1/16SS221J
R 806	(B,20,101)	RS1/16SS222J
R 807	(B,25,92)	RS1/16SS473J
R 808	(B,26,92)	RS1/16SS471J
R 809	(B,17,87)	RS1/16SS472J
R 810	(B,13,89)	RS1/16SS220J
R 811	(B,12,90)	RS1/16SS223J
R 812	(B,14,94)	RS1/16SS224J
R 814	(B,16,97)	RS1/16SS225J
R 815	(B,20,100)	RS1/16SS182J
R 816	(B,17,84)	RS1/16SS223J
R 817	(B,17,85)	RS1/16SS102J
R 818	(B,45,99)	RS1/16SS3301D
R 819	(B,46,101)	RS1/16SS1001D
R 820	(B,55,89)	RS1/16SS104J
R 821	(B,55,93)	RS1/16SS104J
R 822	(B,55,95)	RS1/16SS105J
R 823	(B,55,91)	RS1/16SS105J
R 824	(B,45,92)	RS1/16SS105J
R 825	(B,43,95)	RS1/16SS221J
R 826	(B,45,93)	RS1/16SS3301D
R 827	(B,46,95)	RS1/16SS1001D
R 984	(B,59,24)	RS1/16S0R0J

CAPACITORS

C 11	(B,163,106)	CCSSCJ3R0C50
C 12	(A,159,101)	CCSSCH220J50
C 14	(A,142,71)	CKSSYB102K50
C 36	(B,163,109)	CCSSCJ3R0C50
C 37	(A,159,110)	CCSSCH220J50
C 39	(A,142,88)	CKSSYB102K50
C 61	(B,164,113)	CKSSYB103K16
C 62	(B,163,113)	CCSSCH101J50
C 102	(B,158,85)	CKSSYB222K50
C 103	(B,154,87)	CKSSYB104K10
C 106	(A,150,40)	CKSSYB103K16
C 107	(A,150,45)	CEVW101M16
C 108	(B,157,28) (UC)	CKSSYB332K50
C 108	(B,157,28) (AU)	CKSSYB222K50
C 109	(B,157,31) (UC)	CKSSYB332K50
C 109	(B,157,31) (AU)	CKSSYB222K50
C 111	(A,150,65)	CCSSCH101J50
C 112	(A,150,71)	CEVW101M16
C 113	(A,151,65)	CKSSYB103K16
C 115	(A,152,53)	CSZSR470M10
C 116	(A,149,55)	CKSSYB103K16
C 118	(A,152,58)	CSZSR470M10
C 119	(A,149,60)	CKSSYB103K16
C 130	(A,158,101)	CKSSYB103K16
C 149	(B,104,89)	CKSRYB105K10
C 150	(B,148,66)	CKSSYB222K50
C 152	(B,106,89)	CKSRYB105K10
C 154	(B,134,50)	CKSSYB222K50

Circuit Symbol and No.		Part No.
C 201	(B,38,114)	CCSQCH471J50
C 202	(B,46,114)	CCSQCH471J50
C 203	(B,43,114)	CCSQCH471J50
C 204	(B,49,114)	CCSQCH471J50
C 205	(B,99,105)	CKSRYB105K10
C 206	(B,97,105)	CKSRYB105K10
C 207	(B,95,105)	CKSRYB105K10
C 208	(B,93,105)	CKSRYB105K10
C 209	(B,94,102)	CCSSCH220J50
C 210	(B,97,102)	CCSSCH220J50
C 211	(B,94,99)	CCSSCH220J50
C 212	(B,99,99)	CCSSCH220J50
C 213	(B,107,94) (UC)	CKSSYB102K50
C 213	(B,107,94) (AU)	CKSSYB332K50
C 214	(B,103,94) (UC)	CKSSYB102K50
C 214	(B,103,94) (AU)	CKSSYB332K50
C 215	(A,106,97)	CCSSCH220J50
C 216	(B,102,100)	CCSSCH220J50
C 219	(B,86,97)	CKSRYB105K10
C 220	(B,87,99)	CCSSCH220J50
C 222	(B,90,99)	CCSSCH220J50
C 223	(B,87,94)	CCSSCH220J50
C 224	(B,84,96)	CKSRYB105K10
C 225	(B,89,94)	CCSSCH220J50
C 226	(A,97,87)	CKSRYB105K10
C 227	(A,95,87)	CKSRYB105K10
C 243	(A,105,79)	CKSSYB103K16
C 244	(A,105,75)	CEVW470M16
C 245	(B,89,79)	CCSSCH220J50
C 246	(B,90,70)	CCSSCH220J50
C 249	(B,94,79)	CCSSCH220J50
C 250	(B,95,70)	CCSSCH220J50
C 251	(A,97,73) 10µF/16V	CCH1585
C 252	(A,97,68) 10µF/16V	CCH1585
C 253	(A,95,78) 10µF/16V	CCH1585
C 254	(A,95,82) 10µF/16V	CCH1585
C 255	(A,75,117)	CKSQYB103K50
C 256	(A,71,117)	CKSQYB103K50
C 257	(A,73,117)	CKSQYB103K50
C 258	(A,69,117)	CKSQYB103K50
C 259	(B,108,74)	CCSSCH220J50
C 260	(B,97,72)	CCSSCH220J50
C 261	(B,98,78)	CCSSCH220J50
C 262	(B,107,80)	CCSSCH220J50
C 263	(B,100,83) 10µF	CCG1182
C 264	(B,96,83) 10µF	CCG1182
C 265	(A,86,88) 10µF	CCG1182
C 266	(A,88,88) 10µF	CCG1182
C 267	(B,18,135)	CKSQYB103K50
C 268	(B,15,135)	CKSQYB103K50
C 269	(B,20,135)	CKSQYB103K50
C 270	(B,16,135)	CKSQYB103K50
C 301	(B,54,116)	CKSQYB222K50
C 302	(B,35,141)	CKSQYB223K50
C 303	(B,46,139)	CKSQYB473K50
C 304	(B,50,138)	CKSQYB103K50
C 305	(B,39,141)	CKSQYB223K50
C 306	(B,50,140)	CKSQYB473K50
C 308	(B,75,133)	CKSQYB222K50
C 310	(B,57,135)	CKSQYB223K50

Circuit Symbol and No.			Part No.
C 311	(B,57,137)		CKSQYB223K50
C 316	(A,89,58)		CKSSYB104K10
C 317	(B,88,61)		CKSRYB474K10
C 318	(B,92,29)		CKSSYB104K10
C 320	(B,40,139)		CCSQCH181J50
C 321	(B,33,139)		CCSQCH181J50
C 322	(B,61,115)		CKSSYB102K50
C 323	(B,23,137)		CKSSYB102K50
C 324	(B,30,140)		CKSRYB103K50
C 325	(A,81,20)		CKSRYB105K10
C 326	(A,79,20)		CKSRYB105K10
C 327	(B,59,137)		CKSSYB472K25
C 328	(B,21,144)		CKSRYB104K50
C 329	(B,22,139)		CKSRYB102K50
C 330	(B,20,139)		CKSQYB102K50
C 331	(B,18,139)		CKSQYB102K50
C 332	(B,88,62)		CKSSYB103K16
C 333	(B,75,136)		CKSQYB102K50
C 334	(B,73,136)		CKSQYB102K50
C 381	(B,101,69)		CKSSYB102K50
C 382	(A,106,68)		CKSSYB102K50
C 383	(A,98,64)		CKSQYB225K10
C 384	(A,102,66)		CKSQYB225K10
C 385	(A,83,73)	10µF/16V	CCH1585
C 386	(A,83,68)	10µF/16V	CCH1585
C 387	(A,83,78)	10µF/16V	CCH1585
C 388	(A,83,83)	10µF/16V	CCH1585
C 389	(A,25,121)	10µF	CCG1182
C 390	(A,25,116)	10µF	CCG1182
C 391	(A,22,116)	10µF	CCG1182
C 392	(A,23,121)	10µF	CCG1182
C 405	(A,25,42)		CEVW100M10
C 406	(A,25,47)		CEVW100M10
C 407	(A,25,36)		CKSSYB102K50
C 408	(A,19,38)		CKSQYB225K10
C 409	(B,147,8)		CKSSYB102K50
C 410	(B,149,8)		CKSSYB102K50
C 411	(B,151,8)		CKSSYB102K50
C 412	(B,152,8)		CKSSYB102K50
C 413	(B,155,8)		CCSSCH101J50
C 414	(B,156,8)		CCSSCH101J50
C 415	(B,157,8)		CCSSCH101J50
C 416	(B,158,8)		CCSSCH101J50
C 417	(B,159,8)		CCSSCH101J50
C 418	(B,160,8)		CCSSCH101J50
C 419	(B,162,8)		CKSSYB102K50
C 420	(B,163,8)		CCSSCH101J50
C 421	(A,20,28)		CKSSYB102K50
C 422	(B,26,36)		CKSSYB102K50
C 423	(B,26,35)		CKSSYB102K50
C 424	(B,21,38)		CKSSYB102K50
C 425	(B,23,34)		CKSSYB102K50
C 426	(A,22,26)	10µF	CCG1182
C 427	(B,25,31)	10µF	CCG1182
C 429	(A,23,17)		CKSRYB102K50
C 431	(B,26,38)		CKSSYB104K10
C 445	(B,87,66)		CKSSYB104K10
C 446	(A,90,69)		CEVW101M16
C 502	(B,98,41)		CSZSR470M10
C 503	(B,96,40)		CKSSYB102K50

Circuit Symbol and No.			Part No.
C 504	(A,98,21)		CKSSYB104K10
C 507	(A,120,26)		CKSSYB104K10
C 508	(A,123,30)		CKSSYB104K10
C 509	(A,86,22)		CKSSYB472K25
C 512	(B,151,90)		CKSSYB223K16
C 602	(B,70,86)		CKSRYB104K50
C 603	(A,29,73)	470µF/16V	CCH1677
C 604	(B,61,78)		CKSYB225K16
C 605	(A,93,140)	1000µF/16V	CCH1681(P45)
C 606	(A,62,86)		CKSQYB105K16
C 607	(A,66,56)		CEVLW470M16
C 608	(A,46,80)	10µF	CCG1182
C 609	(A,47,77)	10µF	CCG1182
C 610	(A,45,77)	10µF	CCG1182
C 611	(A,37,77)		CKSRYB154K10
C 612	(A,38,74)		CKSSYB123K16
C 613	(A,44,71)		CKSSYB104K10
C 614	(A,40,71)		CKSRYB105K10
C 615	(B,44,56)	10µF	CCG1182
C 616	(B,44,58)	10µF	CCG1182
C 617	(B,44,61)		CKSSYB473K10
C 618	(B,62,54)		CKSRYB104K50
C 620	(A,48,9)		CKSSYB102K50
C 621	(B,37,88)		CKSSYB102K50
C 622	(B,37,86)		CSZSR470M10
C 623	(B,34,84)		CKSRYB474K10
C 624	(A,140,140)	2200µF/16V	CCH1405(P45)
C 626	(A,56,80)	10µF	CCG1182
C 627	(A,47,72)		CKSRYB154K10
C 628	(A,48,73)		CKSSYB123K16
C 629	(A,55,71)		CKSSYB104K10
C 630	(A,51,71)		CKSRYB105K10
C 631	(B,53,56)	10µF	CCG1171
C 632	(B,53,58)	10µF	CCG1171
C 633	(B,53,61)		CKSSYB473K10
C 634	(A,58,77)	10µF	CCG1182
C 635	(A,56,77)	10µF	CCG1182
C 636	(A,30,78)		CKSRYB103K50
C 637	(A,34,85)		CKSSYB103K16
C 640	(B,66,54)		CKSRYB104K50
C 701	(B,133,138)		CKSRYB473K50
C 702	(B,131,138)		CKSRYB473K50
C 703	(A,152,141)	2200µF/16V	CCH1676(P45)
C 704	(A,27,88)		CKSRYB474K10
C 705	(A,24,83)	470µF/16V	CCH1677
C 706	(B,32,96)		CKSSYB102K50
C 707	(B,64,132)		CKSQYB103K50
C 708	(B,70,132)		CKSQYB103K50
C 709	(A,150,15)		CKSRYB104K50
C 710	(A,161,21)		CKSSYB104K10
C 711	(A,159,16)		CKSQYB105K16
C 712	(A,165,16)		CKSSYB104K10
C 716	(B,22,26)		CKSRYB104K50
C 717	(B,25,26)		CKSYB475K16
C 718	(B,38,23)		CKSSYB102K50
C 719	(B,59,143)		CKSSYB103K16
C 721	(A,113,58)		CKSSYB102K50
C 724	(A,138,12)		CKSSYB102K50
C 751	(B,27,87)		CKSSYB272K50
C 761	(B,125,138)		CKSRYB473K50

Circuit Symbol and No.		Part No.
C 762	(B,127,138)	CKSRYB473K50
C 763	(A,104,141) 3300μF/16V	CCH1486(P45)
C 764	(A,23,99)	CSZSC101M10
C 765	(B,25,87)	CKSRYB473K50
C 766	(A,11,100)	CKSRYB105K10
C 767	(B,15,85)	CCSSCH221J50
C 768	(B,17,91)	CKSYB475K16
C 769	(B,16,98)	CKSSYB104K10
C 770	(B,23,91)	CKSYB225K16
C 771	(B,15,81)	CKSRYB105K10
C 772	(B,23,102)	CKSSYB104K10
C 773	(A,20,108)	CKSSYB104K10
C 801	(B,49,89)	CKSYB475K16
C 802	(B,55,101)	CCSSCH470J50
C 803	(A,38,102)	CKSYB475K16
C 804	(B,55,98)	CCSSCH470J50
C 805	(B,46,98)	CKSSYB104K10
C 806	(B,49,96)	CKSSYB103K16
C 807	(A,53,93)	CSZSC101M10
C 809	(B,40,102)	CKSYB475K16
C 810	(B,37,102)	CCSSCH470J50
C 812	(B,41,97)	CKSSYB103K16
C 813	(A,44,99)	CSZSR220M10
C 814	(A,48,101)	CSZSC101M10
C 815	(B,55,94)	CCSSCH470J50
C 816	(B,55,92)	CCSSCH470J50
C 817	(B,53,90)	CKSSYB103K16
C 819	(B,46,92)	CCSSCH470J50
C 820	(A,42,90)	CKSYB475K16
C 822	(B,40,95)	CKSYB475K16
C 823	(B,37,95)	CCSSCH470J50
C 825	(B,41,90)	CKSSYB103K16
C 826	(A,44,94)	CSZSR220M10
C 827	(A,48,93)	CSZSC101M10
C 828	(A,38,100)	CKSYB475K16
C 926	(A,45,15)	CKSSYB102K50

A

Unit Number : CWM9647(EW)
Unit Name : Main Unit

MISCELLANEOUS

Circuit Symbol and No.		Part No.
IC 102	(A,130,103) IC	NJM2068V
IC 201	(A,96,100) IC	NJM2068V
IC 202	(A,105,94) IC	NJM2068V
IC 203	(A,104,99) IC	NJM4580V
IC 205	(A,88,97) IC	NJM2068V
IC 207	(A,103,85) IC	BD3842FS
IC 208	(B,88,74) IC	OPA2134UA
IC 209	(B,94,74) IC	OPA2134UA
IC 210	(B,103,73) IC	NJM2068V
IC 211	(B,103,77) IC	NJM2068V
IC 301	(B,97,28) IC	HA12240FP
IC 401	(B,23,38) IC	TC7SET08FUS1
IC 502	(A,96,33) IC	PEG093C
IC 503	(A,118,24) IC	TC7SET08FUS1
IC 504	(A,119,33) IC	TC74VHC08FTS1
IC 601	(A,42,75) IC	TPS54350PWP
IC 603	(B,36,77) IC	BA00BC0WFP
IC 604	(A,52,75) IC	TPS54350PWP
IC 751	(B,26,89) IC	S-80940CNNB-G9A
IC 752	(B,22,96) IC	S-812C56AUA-C3K
IC 753	(B,22,104) IC	S-812C39AMC-C2T
IC 801	(B,50,98) IC	NJM2235V
IC 802	(B,40,99) IC	SM5304AV
IC 803	(B,50,93) IC	NJM2235V
IC 804	(B,40,92) IC	SM5304AV
Q 11	(A,137,67) Transistor	2SC3356
Q 12	(A,128,67) Transistor	2SC3356
Q 13	(B,140,63) Transistor	2SA1576
Q 14	(B,140,57) Transistor	2SC4081
Q 15	(B,129,58) Transistor	2SC4083
Q 16	(B,124,58) Transistor	2SC4083
Q 17	(A,137,84) Transistor	2SC3356
Q 18	(A,128,84) Transistor	2SC3356
Q 19	(B,140,80) Transistor	2SA1576
Q 20	(B,140,74) Transistor	2SC4081
Q 21	(B,129,74) Transistor	2SC4083
Q 22	(B,124,74) Transistor	2SC4083
Q 23	(B,161,113) Transistor	2SC4081
Q 102	(B,144,84) Transistor	2SC4081
Q 103	(B,150,82) Transistor	UMX1N
Q 104	(B,147,82) Transistor	UMH4N
Q 105	(B,154,47) Transistor	2SA1576
Q 106	(B,157,29) Transistor	2SA1576
Q 107	(B,157,26) Transistor	2SA1576
Q 108	(A,150,62) Transistor	DTC114EU
Q 109	(B,172,51) Transistor	UMH1N
Q 110	(B,172,47) Transistor	UMH1N
Q 114	(A,147,116) Transistor	2SC4081
Q 115	(B,148,112) Transistor	UMX1N
Q 116	(A,130,96) Transistor	2SC4081
Q 117	(A,128,96) Transistor	2SC4081
Q 119	(A,128,107) Transistor	2SA1576
Q 123	(B,130,123) Transistor	DTC114EU
Q 125	(B,105,124) Transistor	UMH1N
Q 126	(B,96,124) Transistor	UMH1N
Q 201	(B,96,91) Transistor	UMH4N
Q 301	(A,92,54) Transistor	2SC4081
Q 302	(B,87,57) Transistor	2SC4081
Q 303	(A,85,58) Transistor	2SC4081
Q 308	(A,101,59) Transistor	2SC4081
Q 309	(A,98,52) Transistor	2SC4081
Q 310	(A,108,53) Transistor	UMT2N
Q 311	(A,106,58) Transistor	DTC144EU
Q 312	(A,95,52) Transistor	DTA114EU
Q 313	(A,97,56) Transistor	2SC4081
Q 314	(A,77,22) Transistor	DTA114EU
Q 315	(B,85,63) Transistor	2SC4081
Q 381	(A,102,69) Transistor	UMZ1N
Q 382	(A,105,66) Transistor	UMZ1N
Q 383	(B,83,74) Transistor	FMG12
Q 384	(B,91,90) Transistor	FMG12
Q 385	(B,83,78) Transistor	FMG12
Q 386	(B,83,71) Transistor	FMG12
Q 387	(B,83,81) Transistor	FMG12
Q 388	(A,42,107) Transistor	FMG12
Q 389	(B,88,90) Transistor	FMG12
Q 390	(A,25,110) Transistor	FMG12

Circuit Symbol and No.	Part No.
Q 401 (A,27,38) Transistor	UMH4N
Q 402 (A,22,38) Transistor	DTA144TK
Q 601 (A,71,88) Transistor	2SC4081
Q 602 (B,47,79) Transistor	DTC114EU
Q 603 (A,69,81) Transistor	2SA1952
Q 604 (B,68,88) Transistor	2SA1576
Q 605 (A,54,86) Transistor	DTC114EU
Q 606 (A,60,86) Transistor	2SA1576
Q 607 (B,58,56) Transistor	2SB1689
Q 608 (B,58,52) Transistor	2SC4081
Q 609 (A,30,84) Transistor	2SC4081
Q 610 (A,57,87) Transistor	UMD12N
Q 611 (B,44,79) Transistor	DTC114EU
Q 612 (A,42,67) POWER MOS FET	RSS090N03
Q 613 (A,52,67) POWER MOS FET	RSS090N03
Q 614 (A,21,72) Transistor	2SB1427
Q 615 (B,67,61) Transistor	2SC4081
Q 616 (B,70,76) Transistor	2SA1952
Q 617 (B,64,50) Transistor	2SA1576
Q 618 (B,64,45) Transistor	DTC114EU
Q 701 (A,24,93) Transistor	2SB1184F5
Q 702 (B,33,94) Transistor	UMX1N
Q 703 (B,65,140) Transistor	2SB1260
Q 704 (B,59,140) Transistor	UMX1N
Q 705 (B,75,138) Transistor	DTC114EU
Q 706 (B,69,139) Transistor	UMT2N
Q 707 (A,155,18) Transistor	2SB1260
Q 708 (A,158,21) Transistor	2SC4081
Q 709 (B,157,18) Transistor	2SB1184F5
Q 710 (A,162,16) Transistor	UMX1N
Q 711 (A,140,49) Transistor	2SB1260
Q 712 (A,135,49) Transistor	UMX1N
Q 713 (B,27,22) Transistor	2SB1260
Q 714 (B,35,22) Transistor	UMX1N
Q 751 (B,25,96) Transistor	UMD12N
Q 752 (B,15,96) Transistor	2SC4081
Q 753 (B,15,88) Transistor	2SC4154-11
Q 754 (B,15,91) Transistor	2SA1602A
Q 755 (A,9,92) Transistor	2SB1185
Q 756 (B,20,83) Transistor	UMF5N
Q 762 (A,23,104) Transistor	2SD1767
Q 801 (A,52,99) Transistor	DTC144EU
D 11 (B,137,67) Diode	1SV249
D 12 (A,142,59) Diode	1SS355
D 13 (B,133,58) Diode	DAN217U
D 14 (B,133,75) Diode	DAN217U
D 15 (B,137,84) Diode	1SV249
D 16 (A,142,76) Diode	1SS355
D 101 (A,150,82) Diode	CPH5512
D 102 (B,149,70) Diode	CPH5512
D 104 (B,146,115) Diode	CPH5512
D 105 (B,150,123) Diode	CPH5512
D 301 (A,69,104) Diode	RM4LFJ10
D 302 (B,22,117) Diode	UDZS10(B)
D 303 (B,24,117) Diode	UDZS10(B)
D 304 (A,91,59) Diode	HZU8R2(B1)
D 305 (B,84,57) Diode	HZU8R2(B1)
D 306 (A,87,58) Diode	HZU8R2(B1)
D 307 (B,52,115) Diode	UDZS18(B)
D 308 (A,41,115) Diode	UDZS18(B)
D 311 (B,60,116) Diode	UDZS18(B)
D 312 (B,25,139) Diode	UDZS18(B)
D 313 (A,109,55) Diode	1SS355
D 314 (A,105,55) Diode	HZU9R1(B1)
D 315 (A,78,17) Diode	1SS355
D 316 (A,80,17) Diode	UDZS8R2(B)
D 317 (A,81,49) Diode	1SS355
D 318 (A,81,52) Diode	1SS355
D 319 (A,78,25) Diode	1SS355
D 320 (A,77,28) Diode	1SS355
D 322 (A,85,54) Diode	1SS355
D 323 (A,100,55) Diode	DAP202U
D 324 (A,101,52) Diode	1SS355
D 325 (A,103,53) Diode	1SS355
D 326 (B,20,86) Diode	1SS355
D 381 (A,95,62) Diode	DAP202U
D 382 (A,101,62) Diode	1SS355
D 383 (A,105,62) Diode	1SS355
D 384 (B,103,65) Diode	1SS355
D 401 (B,92,65) Diode	UDZS4R7(B)
D 402 (B,9,39) Diode	RB520S-30
D 601 (A,69,74) Diode	RSX201L-30
D 602 (B,68,83) Diode	PTZ16(A)
D 603 (A,32,81) Diode	1SS355
D 604 (B,67,56) Diode	PTZ16(A)
D 605 (B,60,54) Diode	1SS355
D 606 (A,45,85) Diode	1SR154-400
D 701 (B,133,135) Diode	RB051L-40
D 702 (B,29,98) Diode	HZU8R2(B1)
D 703 (B,33,98) Diode	1SS355
D 704 (B,64,134) Diode	RR264M-400
D 705 (B,64,136) Diode	RR264M-400
D 706 (B,75,141) Diode	DAN202U
D 707 (B,75,143) Diode	1SS355
D 708 (B,69,134) Diode	RR264M-400
D 709 (B,69,136) Diode	RR264M-400
D 710 (A,155,15) Diode	1SS355
D 711 (A,163,18) Diode	1SS355
D 713 (B,31,24) Diode	1SS355
D 751 (B,126,135) Diode	1SR154-400
D 752 (B,20,87) Diode	UDZS16(B)
D 753 (B,19,91) Diode	UDZS9R1(B)
D 755 (B,21,92) Diode	UDZS16(B)
ZNR11 (B,161,103) Surge Protector	IMSA-6801-01Y901
ZNR12 (B,162,107) Surge Protector	IMSA-6801-01Y901
L 11 (B,160,106) Inductor	LCYB68NJ1608
L 12 (A,160,101) Inductor	LCYB12NJ1608
L 13 (A,142,66) Inductor	LCYBR12J1608
L 14 (A,141,66) Inductor	LCYBR12J1608
L 15 (A,136,62) Coil	CTC1187
L 16 (A,133,68) Inductor	LCYBR15J1608
L 17 (A,126,62) Coil	CTC1187
L 18 (A,123,69) Inductor	LCYBR15J1608
L 19 (B,160,109) Inductor	LCYB68NJ1608
L 20 (A,159,108) Inductor	LCYB12NJ1608
L 21 (A,142,83) Inductor	LCYBR12J1608
L 22 (A,141,83) Inductor	LCYBR12J1608
L 23 (A,136,78) Coil	CTC1187
L 24 (A,133,85) Inductor	LCYBR15J1608
L 25 (A,126,78) Coil	CTC1187

Circuit Symbol and No.			Part No.
L 26	(A,123,85)	Inductor	LCYBR15J1608
L 101	(B,147,74)	Inductor	LCTC6R8K1608
L 102	(B,149,74)	Inductor	LCTC6R8K1608
L 103	(B,156,86)	Inductor	LCTC6R8K1608
L 104	(A,147,64)	Inductor	CTF1473
L 105	(A,149,52)	Inductor	CTF1295
L 106	(A,148,57)	Inductor	CTF1473
L 107	(A,149,57)	Inductor	CTF1473
L 108	(A,159,104)	Chip Coil	LCTAW330J2520
L 110	(A,150,116)	Inductor	CTF1473
L 111	(B,142,115)	Inductor	LCTC6R8K1608
L 112	(B,142,113)	Inductor	LCTC6R8K1608
L 113	(A,95,116)	Inductor	CTF1295
L 114	(B,128,121)	Inductor	CTF1473
L 115	(B,122,124)	Inductor	CTF1473
L 116	(B,145,124)	Inductor	LCTC6R8K1608
L 201	(A,104,71)	Inductor	CTF1473
L 301	(A,119,141)	Choke Coil 95μH	CTH1301
L 302	(B,91,27)	Inductor	CTF1473
L 413	(A,19,30)	Inductor	CTF1558
L 414	(B,24,40)	Inductor	CTF1473
L 416	(A,20,43)	Inductor	CTF1473
L 417	(A,20,45)	Inductor	CTF1473
L 418	(B,11,44)	Inductor	CTF1306
L 420	(B,26,41)	Inductor	CTF1473
L 501	(B,101,41)	Inductor	CTF1473
L 502	(A,122,27)	Inductor	CTF1473
L 503	(A,123,33)	Inductor	CTF1473
L 601	(A,66,67)	Inductor	CTH1257
L 602	(A,43,59)	Inductor	CTH1257
L 603	(A,54,59)	Inductor	CTH1257
L 605	(A,48,11)	Inductor	CTF1295
L 701	(A,114,56)	Inductor	CTF1473
L 702	(A,137,10)	Inductor	CTF1295
L 801	(A,53,89)	Inductor	CTF1473
X 501	(A,96,20)	Radiator 10.0MHz	CSS1577
⚠FU301	(B,53,140)	Fuse 8A	CEK1263
Y 101	(A,162,89)	FM/AM Tuner Unit	CWE1839
Y 102	(A,154,127)	FM/AM Tuner Unit	CWE1839
EF601	(B,44,54)	EMI Filter	CCG1163
EF602	(B,54,54)	EMI Filter	CCG1163

RESISTORS

Circuit Symbol and No.		Part No.
R 1	(A,134,26)	RS1/16SS0R0J
R 2	(A,129,23)	RS1/16SS0R0J
R 3	(B,138,63)	RS1/16SS474J
R 4	(B,139,55)	RS1/16SS474J
R 5	(B,138,79)	RS1/16SS474J
R 6	(B,137,76)	RS1/16SS474J
R 7	(B,132,57)	RS1/16SS681J
R 8	(B,132,73)	RS1/16SS681J
R 10	(A,13,51)	RS1/16SS182J
R 11	(B,139,65)	RS1/16SS102J
R 12	(A,141,62)	RS1/16SS331J
R 13	(A,138,69)	RS1/16SS100J
R 14	(A,134,66)	RS1/16SS222J
R 15	(A,138,58)	RS1/16SS121J
R 16	(A,135,69)	RS1/16SS330J
R 17	(A,134,58)	RS1/16SS100J
R 18	(A,134,68)	RS1/16SS100J
R 19	(A,129,69)	RS1/16SS100J
R 20	(A,125,67)	RS1/16SS222J
R 21	(A,128,58)	RS1/16SS121J
R 22	(A,126,69)	RS1/16SS330J
R 23	(A,125,58)	RS1/16SS100J
R 24	(A,125,68)	RS1/16SS100J
R 25	(B,138,59)	RS1/16SS271J
R 26	(B,141,59)	RS1/16SS472J
R 27	(B,136,59)	RS1/16SS223J
R 28	(B,139,60)	RS1/16SS220J
R 29	(B,127,57)	RS1/16SS271J
R 30	(B,127,59)	RS1/16SS561J
R 31	(B,127,60)	RS1/16SS333J
R 32	(B,125,61)	RS1/16SS683J
R 33	(B,125,60)	RS1/16SS471J
R 34	(B,139,82)	RS1/16SS102J
R 35	(A,141,79)	RS1/16SS331J
R 36	(A,138,86)	RS1/16SS100J
R 37	(A,134,82)	RS1/16SS222J
R 38	(A,138,75)	RS1/16SS121J
R 39	(A,136,85)	RS1/16SS330J
R 40	(A,134,75)	RS1/16SS100J
R 41	(A,134,85)	RS1/16SS100J
R 42	(A,129,86)	RS1/16SS100J
R 43	(A,125,82)	RS1/16SS222J
R 44	(A,128,75)	RS1/16SS121J
R 45	(A,126,85)	RS1/16SS330J
R 46	(A,125,75)	RS1/16SS100J
R 47	(A,125,85)	RS1/16SS100J
R 48	(B,138,76)	RS1/16SS271J
R 49	(B,141,76)	RS1/16SS472J
R 50	(B,136,75)	RS1/16SS223J
R 51	(B,139,77)	RS1/16SS220J
R 52	(B,127,74)	RS1/16SS271J
R 53	(B,127,75)	RS1/16SS561J
R 54	(B,127,77)	RS1/16SS333J
R 55	(B,125,78)	RS1/16SS683J
R 56	(B,125,77)	RS1/16SS471J
R 57	(B,163,115)	RS1/16SS223J
R 58	(B,163,114)	RS1/16SS472J
R 60	(B,129,36)	RS1/16SS0R0J
R 67	(B,131,28)	RS1/16SS0R0J
R 102	(B,149,84)	RS1/16SS222J
R 103	(B,147,85)	RS1/16SS222J
R 104	(A,149,79)	RS1/16SS104J
R 105	(A,148,78)	RS1/16SS225J
R 106	(A,151,77)	RS1/16SS225J
R 107	(B,146,70)	RS1/16SS225J
R 108	(B,151,70)	RS1/16SS225J
R 109	(A,151,79)	RS1/16SS104J
R 110	(B,149,80)	RS1/16SS102J
R 111	(B,152,77)	RS1/10S821J
R 114	(A,150,39)	RS1/16SS471J
R 115	(B,152,47)	RS1/16SS272J
R 116	(B,153,30)	RS1/16SS272J
R 118	(B,138,27)	RS1/16SS272J
R 120	(A,147,60)	RS1/16SS103J
R 122	(A,153,62)	RS1/16SS681J
R 123	(B,169,73)	RS1/16SS681J

Circuit Symbol and No.		Part No.
R 124	(B,169,71)	RS1/16SS681J
R 125	(B,169,69)	RS1/16SS681J
R 126	(B,169,67)	RS1/16SS681J
R 127	(B,169,65)	RS1/16SS681J
R 128	(B,155,51)	RS1/16SS222J
R 129	(B,174,52)	RS1/16SS223J
R 130	(B,170,51)	RS1/16SS223J
R 131	(B,174,47)	RS1/16SS223J
R 132	(B,170,46)	RS1/16SS223J
R 135	(B,145,112)	RS1/16SS222J
R 136	(A,145,113)	RS1/16SS222J
R 137	(B,149,116)	RS1/16SS104J
R 141	(A,136,118)	RS1/16SS471J
R 145	(B,149,114)	RS1/16SS104J
R 146	(B,151,112)	RS1/16SS472J
R 147	(B,151,115)	RS1/10S102J
R 148	(A,126,117)	RS1/16SS272J
R 153	(B,127,123)	RS1/16SS103J
R 155	(B,132,123)	RS1/16SS681J
R 156	(B,141,124)	RS1/16SS681J
R 157	(B,138,124)	RS1/16SS681J
R 158	(B,136,123)	RS1/16SS681J
R 159	(B,134,125)	RS1/16SS681J
R 160	(B,135,119)	RS1/16SS681J
R 161	(B,116,124)	RS1/16SS222J
R 165	(B,161,115)	RS1/16SS473J
R 167	(B,108,123)	RS1/16SS223J
R 169	(B,108,122)	RS1/16SS223J
R 170	(B,100,125)	RS1/16SS223J
R 171	(B,100,123)	RS1/16SS223J
R 176	(A,126,104)	RS1/16SS683J
R 177	(A,130,100)	RS1/16SS682J
R 178	(A,133,95)	RS1/16SS223J
R 179	(A,124,108)	RS1/16SS101J
R 180	(A,126,102)	RS1/16SS223J
R 181	(A,132,97)	RS1/16SS472J
R 183	(A,126,99)	RS1/16SS223J
R 184	(A,131,100)	RS1/16SS682J
R 185	(A,130,105)	RS1/16SS101J
R 186	(A,133,106)	RS1/16SS683J
R 187	(A,133,100)	RS1/16SS683J
R 188	(A,134,106)	RS1/16SS682J
R 189	(A,133,97)	RS1/16SS223J
R 190	(A,128,100)	RS1/16SS222J
R 201	(B,44,118)	RS1/10S103J
R 202	(B,40,116)	RS1/10S103J
R 203	(B,47,118)	RS1/10S103J
R 204	(B,49,116)	RS1/10S103J
R 205	(B,40,114)	RS1/16SS562J
R 206	(B,44,114)	RS1/16SS562J
R 207	(B,41,114)	RS1/16SS562J
R 208	(B,47,114)	RS1/16SS562J
R 209	(B,95,102)	RS1/16SS473J
R 210	(B,92,102)	RS1/16SS473J
R 211	(B,93,102)	RS1/16SS473J
R 212	(B,98,102)	RS1/16SS473J
R 213	(B,99,102)	RS1/16SS473J
R 214	(B,96,102)	RS1/16SS473J
R 215	(B,93,99)	RS1/16SS473J
R 216	(B,99,100)	RS1/16SS473J

Circuit Symbol and No.		Part No.
R 217	(B,106,92)	RS1/16SS153J
R 218	(B,103,92)	RS1/16SS153J
R 219	(B,108,94)	RS1/16SS223J
R 220	(B,102,94)	RS1/16SS223J
R 221	(B,104,97)	RS1/16SS333J
R 222	(B,102,98)	RS1/16SS333J
R 223	(A,108,97)	RS1/16SS223J
R 224	(B,101,100)	RS1/16SS223J
R 230	(B,88,99)	RS1/16SS223J
R 231	(B,86,99)	RS1/16SS333J
R 232	(B,90,96)	RS1/16SS333J
R 233	(B,90,98)	RS1/16SS223J
R 236	(B,86,94)	RS1/16SS223J
R 237	(B,85,95)	RS1/16SS333J
R 238	(B,88,96)	RS1/16SS333J
R 239	(B,90,94)	RS1/16SS223J
R 241	(B,94,92)	RS1/16SS182J
R 242	(B,97,89)	RS1/16SS182J
R 245	(B,85,98)	RS1/10S102J
R 246	(B,83,98)	RS1/10S102J
R 248	(A,88,77)	RS1/10S101J
R 249	(A,88,75)	RS1/10S101J
R 250	(A,88,80)	RS1/10S101J
R 251	(A,88,83)	RS1/10S101J
R 263	(A,107,79)	RS1/16SS471J
R 264	(A,106,79)	RS1/16SS471J
R 265	(B,89,80)	RS1/16SS153J
R 266	(B,90,69)	RS1/16SS153J
R 267	(B,91,80)	RS1/16SS153J
R 268	(B,92,69)	RS1/16SS153J
R 269	(B,94,80)	RS1/16SS153J
R 270	(B,95,69)	RS1/16SS153J
R 271	(A,91,75)	RS1/16SS223J
R 272	(A,92,80)	RS1/16SS223J
R 273	(A,91,78)	RS1/16SS223J
R 274	(A,91,83)	RS1/16SS223J
R 275	(A,90,79)	RS1/16SS101J
R 276	(A,90,76)	RS1/16SS101J
R 277	(A,91,80)	RS1/16SS101J
R 278	(A,90,82)	RS1/16SS101J
R 279	(B,107,74)	RS1/16SS153J
R 280	(B,98,73)	RS1/16SS153J
R 281	(B,98,76)	RS1/16SS153J
R 282	(B,108,76)	RS1/16SS153J
R 283	(B,97,78)	RS1/16SS153J
R 284	(B,107,81)	RS1/16SS153J
R 285	(B,92,84)	RS1/16SS223J
R 286	(B,81,90)	RS1/16SS223J
R 287	(B,94,85)	RS1/16SS223J
R 288	(B,79,94)	RS1/16SS223J
R 289	(A,92,88)	RS1/10S101J
R 290	(A,90,88)	RS1/10S101J
R 291	(A,62,96)	RS1/10S101J
R 292	(A,62,98)	RS1/10S101J
R 301	(A,89,56)	RS1/16SS223J
R 302	(A,93,57)	RS1/16SS223J
R 303	(A,92,57)	RS1/16SS473J
R 304	(A,89,57)	RS1/16SS103J
R 305	(A,89,61)	RS1/16SS222J
R 306	(A,89,59)	RS1/16SS222J

Circuit Symbol and No.		Part No.
R 307	(B,84,56)	RS1/16SS223J
R 308	(B,88,59)	RS1/16SS223J
R 309	(B,86,59)	RS1/16SS473J
R 310	(B,86,60)	RS1/16SS103J
R 311	(B,84,59)	RS1/16SS222J
R 312	(B,84,60)	RS1/16SS222J
R 313	(A,89,55)	RS1/16SS223J
R 314	(A,87,60)	RS1/16SS472J
R 315	(A,85,60)	RS1/16SS472J
R 316	(B,102,28)	RS1/16SS472J
R 317	(B,102,30)	RS1/16SS472J
R 318	(A,49,115)	RS1/4S101J
R 319	(A,45,120)	RS1PMF680J
R 320	(A,38,116)	RS1/4S101J
R 327	(A,102,55)	RS1/16SS472J
R 328	(A,102,56)	RS1/16SS103J
R 329	(B,57,115)	RS1/10S221J
R 331	(A,98,50)	RS1/16SS103J
R 332	(B,24,135)	RS1/10S221J
R 333	(A,108,56)	RS1/16SS473J
R 334	(A,111,51)	RS1/16SS473J
R 335	(A,109,51)	RS1/16SS103J
R 336	(A,105,51)	RS1/16SS103J
R 337	(A,105,52)	RS1/16SS103J
R 338	(A,96,50)	RS1/16SS473J
R 339	(A,99,58)	RS1/16SS471J
R 340	(A,99,59)	RS1/16SS392J
R 341	(B,30,139)	RS1/10S101J
R 342	(A,80,24)	RS1/16SS223J
R 343	(A,79,23)	RS1/16SS223J
R 344	(A,78,20)	RS1/16SS222J
R 345	(B,59,134)	RS1/10S472J
R 346	(B,61,134)	RS1/10S472J
R 347	(A,82,40)	RS1/16SS473J
R 348	(A,77,27)	RS1/16SS103J
R 349	(A,80,25)	RS1/16SS152J
R 350	(B,18,143)	RS1/10S102J
R 351	(B,23,141)	RS1/10S102J
R 352	(A,79,27)	RS1/16SS152J
R 353	(B,87,64)	RS1/16SS104J
R 354	(B,88,64)	RS1/16SS103J
R 356	(A,81,41)	RS1/16SS102J
R 381	(A,98,62)	RS1/16SS153J
R 382	(A,101,64)	RS1/16SS153J
R 383	(A,103,60)	RS1/16SS471J
R 384	(A,97,62)	RS1/16SS472J
R 385	(A,105,64)	RS1/16SS472J
R 386	(A,101,71)	RS1/16SS223J
R 387	(A,108,65)	RS1/16SS223J
R 389	(A,103,79)	RS1/16SS103J
R 391	(A,101,80)	RS1/16SS103J
R 392	(A,84,95)	RS1/10S101J
R 393	(A,80,95)	RS1/10S101J
R 394	(B,103,71)	RS1/16SS103J
R 395	(A,29,109)	RS1/10S101J
R 396	(A,33,109)	RS1/10S101J
R 397	(B,97,74)	RS1/16SS103J
R 400	(A,117,28)	RS1/16SS473J
R 401	(B,108,111)	RS1/16SS473J
R 403	(B,108,112)	RS1/16SS473J

Circuit Symbol and No.		Part No.
R 419	(A,32,23)	RS1/16S0R0J
R 421	(B,24,51)	RS1/16S0R0J
R 423	(B,23,36)	RS1/16SS471J
R 424	(B,29,16)	RS1/16SS473J
R 431	(A,26,68)	RS1/16SS0R0J
R 436	(A,96,48)	RS1/16SS473J
R 447	(A,18,36)	RS1/16SS102J
R 448	(B,14,39)	RS1/16SS102J
R 450	(B,18,36)	RS1/16SS471J
R 451	(B,17,36)	RS1/16SS471J
R 452	(B,15,36)	RS1/16SS471J
R 458	(A,22,43)	RS1/16SS332J
R 459	(A,22,45)	RS1/16SS332J
R 460	(B,15,44)	RS1/16SS102J
R 461	(B,146,8)	RS1/16SS472J
R 462	(B,148,8)	RS1/16SS472J
R 463	(B,150,8)	RS1/16SS472J
R 464	(B,153,8)	RS1/16SS472J
R 465	(B,89,66)	RS1/16SS222J
R 466	(B,154,8)	RS1/16SS472J
R 467	(B,161,8)	RS1/16SS472J
R 471	(A,82,32)	RS1/16SS222J
R 472	(A,83,32)	RS1/16SS222J
R 473	(A,83,30)	RS1/16SS222J
R 474	(A,87,22)	RS1/16SS222J
R 475	(A,87,20)	RS1/16SS222J
R 476	(A,89,22)	RS1/16SS222J
R 498	(B,99,44)	RS1/16SS473J
R 499	(A,112,40)	RS1/16SS102J
R 505	(A,81,28)	RS1/16SS102J
R 506	(A,81,26)	RS1/16SS102J
R 507	(A,82,23)	RS1/16SS473J
R 508	(A,84,17)	RS1/16SS102J
R 509	(A,84,19)	RS1/16SS102J
R 510	(A,83,22)	RS1/16SS473J
R 515	(A,91,50)	RS1/16SS102J
R 516	(A,92,49)	RS1/16SS102J
R 517	(A,93,49)	RS1/16SS102J
R 518	(A,94,49)	RS1/16SS102J
R 519	(A,95,49)	RS1/16SS102J
R 520	(A,93,45)	RS1/16SS471J
R 521	(A,89,19)	RS1/16SS102J
R 522	(A,89,17)	RS1/16SS152J
R 523	(A,90,20)	RS1/16SS102J
R 524	(A,90,17)	RS1/16SS102J
R 525	(A,91,20)	RS1/16SS102J
R 526	(B,92,15)	RS1/16SS473J
R 527	(A,94,43)	RS1/16SS471J
R 528	(B,96,43)	RS1/16SS105J
R 529	(A,98,43)	RS1/16SS103J
R 530	(A,100,48)	RS1/16SS103J
R 531	(A,99,43)	RS1/16SS471J
R 532	(A,101,48)	RS1/16SS471J
R 533	(A,96,43)	RS1/16SS102J
R 534	(A,92,20)	RS1/16SS102J
R 535	(A,92,17)	RS1/16SS102J
R 536	(A,93,17)	RS1/16SS102J
R 537	(A,95,22)	RS1/16SS0R0J
R 538	(A,99,18)	RS1/16SS473J
R 539	(A,100,17)	RS1/16SS471J

Circuit Symbol and No.		Part No.
R 540	(A,101,17)	RS1/16SS102J
R 541	(A,102,19)	RS1/16SS471J
R 542	(B,103,28)	RS1/16SS102J
R 547	(A,104,45)	RS1/16SS473J
R 548	(A,105,45)	RS1/16SS102J
R 549	(A,105,47)	RS1/16SS102J
R 550	(A,106,45)	RS1/16SS102J
R 551	(A,107,45)	RS1/16SS102J
R 552	(A,107,43)	RS1/16SS102J
R 553	(A,102,17)	RS1/16SS102J
R 554	(A,103,17)	RS1/16SS102J
R 555	(A,103,19)	RS1/16SS102J
R 556	(A,105,17)	RS1/16SS102J
R 559	(A,107,18)	RS1/16SS102J
R 560	(A,107,21)	RS1/16S0R0J
R 565	(A,110,38)	RS1/16SS102J
R 566	(A,112,38)	RS1/16SS102J
R 567	(A,110,37)	RS1/16SS102J
R 569	(A,112,35)	RS1/16SS102J
R 570	(A,110,34)	RS1/16SS102J
R 571	(A,112,34)	RS1/16SS102J
R 572	(A,110,33)	RS1/16SS102J
R 573	(A,112,33)	RS1/16SS102J
R 575	(A,112,31)	RS1/16SS471J
R 576	(B,103,40)	RS1/16SS102J
R 577	(A,110,30)	RS1/16SS102J
R 579	(A,110,28)	RS1/16SS471J
R 581	(A,113,27)	RS1/16SS101J
R 582	(A,113,26)	RS1/16SS101J
R 583	(A,108,24)	RS1/16SS102J
R 584	(A,110,23)	RS1/16SS102J
R 585	(A,111,25)	RS1/16SS103J
R 587	(A,115,29)	RS1/16SS473J
R 588	(A,108,18)	RS1/16SS103J
R 589	(A,109,23)	RS1/16SS473J
R 590	(A,111,23)	RS1/16SS473J
R 591	(A,118,27)	RS1/16SS471J
R 592	(B,119,30)	RS1/16SS471J
R 593	(A,116,29)	RS1/16SS471J
R 594	(A,115,39)	RS1/16SS102J
R 598	(A,95,45)	RS1/16SS102J
R 600	(A,116,39)	RS1/16SS102J
R 601	(B,67,86)	RS1/16SS102J
R 602	(B,65,52)	RS1/16SS102J
R 603	(B,71,69)	RS1/16SS103J
R 604	(A,66,87)	RS1/16SS103J
R 605	(A,57,85)	RS1/16SS103J
R 606	(B,70,88)	RS1/16SS103J
R 607	(A,63,84)	RS1/16SS223J
R 608	(A,64,84)	RS1/16SS223J
R 609	(B,47,81)	RS1/16SS7503D
R 610	(A,61,89)	RS1/4SR22J
R 611	(B,46,81)	RS1/16SS1303D
R 612	(B,42,79)	RS1/16SS7503D
R 613	(B,42,78)	RS1/16SS1303D
R 614	(A,38,73)	RS1/16SS750J
R 615	(B,44,60)	RS1/16SS1001D
R 616	(B,42,60)	RS1/16SS1000D
R 617	(B,40,60)	RS1/16SS24R0D
R 618	(B,42,61)	RS1/16SS160J

Circuit Symbol and No.		Part No.
R 619	(B,63,47)	RS1/16SS103J
R 620	(A,48,71)	RS1/16SS750J
R 621	(B,53,60)	RS1/16SS1001D
R 622	(B,54,60)	RS1/16SS1800D
R 623	(B,56,60)	RS1/16SS33R0D
R 624	(B,54,61)	RS1/16SS160J
R 625	(B,63,48)	RS1/16SS103J
R 627	(A,33,83)	RS1/16SS220J
R 628	(B,56,51)	RS1/16SS391J
R 629	(B,57,54)	RS1/16SS223J
R 631	(B,62,51)	RS1/16SS472J
R 632	(B,60,51)	RS1/16SS220J
R 633	(B,67,63)	RS1/8S0R0J
R 635	(A,69,87)	RS1/16SS221J
R 636	(B,65,58)	RS1/16SS221J
R 638	(B,41,84)	RS1/16SS1203D
R 639	(B,41,83)	RS1/16SS1502D
R 640	(B,41,82)	RS1/16SS6802D
R 641	(B,41,81)	RS1/16SS1202D
R 644	(A,22,76)	RS1/16SS223J
R 645	(A,33,85)	RS1/10S121J
R 646	(A,34,83)	RS1/16SS102J
R 647	(B,42,77)	RS1/16SS103J
R 648	(B,48,81)	RS1/16SS103J
R 651	(A,42,71)	RS1/16SS100J
R 652	(A,53,71)	RS1/16SS100J
R 701	(B,29,96)	RS1/16SS221J
R 702	(B,30,96)	RS1/16SS471J
R 703	(B,33,96)	RS1/16SS331J
R 704	(A,32,94)	RS1/16SS223J
R 705	(B,34,92)	RS1/16SS471J
R 706	(B,34,96)	RS1/16SS223J
R 707	(B,62,140)	RS1/16SS333J
R 708	(B,65,144)	RS1/16SS223J
R 709	(B,61,140)	RS1/16SS473J
R 710	(B,59,144)	RS1/16SS152J
R 711	(B,57,142)	RS1/16SS222J
R 712	(B,60,138)	RS1/16SS223J
R 713	(B,57,140)	RS1/16SS473J
R 714	(B,72,139)	RS1/16SS153J
R 715	(B,72,140)	RS1/16SS180J
R 716	(B,73,140)	RS1/16SS223J
R 717	(A,157,18)	RS1/16SS470J
R 718	(A,160,21)	RS1/16SS152J
R 719	(A,150,18)	RS1/16SS223J
R 720	(A,162,21)	RS1/16SS472J
R 721	(A,160,18)	RS1/16SS821J
R 722	(A,160,16)	RS1/16SS153J
R 723	(A,163,20)	RS1/16SS470J
R 724	(B,164,16)	RS1/16SS223J
R 725	(A,165,15)	RS1/16SS222J
R 726	(A,164,20)	RS1/16SS472J
R 727	(A,129,50)	RS1/16SS152J
R 728	(A,132,49)	RS1/16SS822J
R 729	(A,136,49)	RS1/16SS223J
R 730	(A,133,49)	RS1/16SS222J
R 731	(A,143,47)	RS1/16SS2R2J
R 732	(A,131,50)	RS1/16SS103J
R 733	(B,31,22)	RS1/16SS103J
R 734	(B,35,25)	RS1/16SS101J

Circuit Symbol and No.		Part No.
R 735	(B,24,21)	RS1/16SS223J
R 736	(B,31,21)	RS1/16SS103J
R 737	(B,38,24)	RS1/16SS223J
R 738	(B,37,21)	RS1/16SS102J
R 741	(B,23,83)	RS1/8S511J
R 742	(B,25,83)	RS1/8S511J
R 801	(B,52,96)	RS1/16SS223J
R 802	(B,55,99)	RS1/16SS104J
R 803	(B,54,101)	RS1/16SS105J
R 804	(B,55,97)	RS1/16SS105J
R 805	(B,43,102)	RS1/16SS221J
R 806	(B,20,101)	RS1/16SS222J
R 807	(B,25,92)	RS1/16SS473J
R 808	(B,26,92)	RS1/16SS471J
R 809	(B,17,87)	RS1/16SS472J
R 810	(B,13,89)	RS1/16SS220J
R 811	(B,12,90)	RS1/16SS223J
R 812	(B,14,94)	RS1/16SS224J
R 814	(B,16,97)	RS1/16SS225J
R 815	(B,20,100)	RS1/16SS182J
R 816	(B,17,84)	RS1/16SS223J
R 817	(B,17,85)	RS1/16SS102J
R 818	(B,45,99)	RS1/16SS3301D
R 819	(B,46,101)	RS1/16SS1001D
R 820	(B,55,89)	RS1/16SS104J
R 821	(B,55,93)	RS1/16SS104J
R 822	(B,55,95)	RS1/16SS105J
R 823	(B,55,91)	RS1/16SS105J
R 824	(B,45,92)	RS1/16SS105J
R 825	(B,43,95)	RS1/16SS221J
R 826	(B,45,93)	RS1/16SS3301D
R 827	(B,46,95)	RS1/16SS1001D
R 984	(B,59,24)	RS1/16S0R0J

CAPACITORS

Circuit Symbol and No.		Part No.
C 11	(B,163,106)	CCSSCJ3R0C50
C 12	(A,159,101)	CCSSCH220J50
C 13	(B,136,65)	CKSSYB472K25
C 15	(A,142,70)	CCSSCH220J50
C 16	(B,140,68)	CKSSYB331K50
C 17	(A,142,68)	CCSSCH150J50
C 18	(A,140,68)	CCSSCH5R0C50
C 20	(A,142,62)	CKSSYB103K16
C 22	(A,139,58)	CKSSYB222K50
C 23	(A,133,58)	CKSSYB472K25
C 24	(B,127,61)	CCSSCH220J50
C 25	(A,132,65)	CCSRCH8R0D50
C 26	(A,132,67)	CKSSYB102K50
C 27	(A,129,58)	CKSSYB222K50
C 29	(A,124,58)	CKSSYB472K25
C 30	(A,123,65)	CCSRCH8R0D50
C 31	(A,123,67)	CKSSYB102K50
C 32	(B,137,57)	CKSRYB105K10
C 33	(B,136,57)	CKSSYB222K50
C 34	(B,131,57)	CCSSCH220J50
C 35	(B,126,57)	CKSSYB102K50
C 36	(B,163,109)	CCSSCJ3R0C50
C 37	(A,159,110)	CCSSCH220J50
C 38	(B,137,82)	CKSSYB472K25
C 40	(A,142,87)	CCSSCH220J50

Circuit Symbol and No.		Part No.
C 41	(B,140,85)	CKSSYB331K50
C 42	(A,142,85)	CCSSCH150J50
C 43	(A,140,85)	CCSSCH5R0C50
C 45	(A,142,79)	CKSSYB103K16
C 47	(A,139,75)	CKSSYB222K50
C 48	(A,133,75)	CKSSYB472K25
C 49	(B,127,78)	CCSSCH220J50
C 50	(A,132,82)	CCSRCH8R0D50
C 51	(A,132,83)	CKSSYB102K50
C 52	(A,129,75)	CKSSYB222K50
C 54	(A,124,75)	CKSSYB472K25
C 55	(A,123,82)	CCSRCH8R0D50
C 56	(A,123,83)	CKSSYB102K50
C 57	(B,137,74)	CKSRYB105K10
C 58	(B,136,74)	CKSSYB222K50
C 59	(B,131,74)	CCSSCH220J50
C 60	(B,126,74)	CKSSYB102K50
C 61	(B,164,113)	CKSSYB103K16
C 62	(B,163,113)	CCSSCH101J50
C 90	(A,140,69)	CCSSCH8R0D50
C 91	(A,140,86)	CCSSCH8R0D50
C 102	(B,158,85)	CKSSYB222K50
C 103	(B,154,87)	CKSSYB104K10
C 106	(A,150,40)	CKSSYB103K16
C 107	(A,150,45)	CEVW101M16
C 108	(B,157,28)	CKSSYB222K50
C 109	(B,157,31)	CKSSYB222K50
C 110	(B,156,48)	CCSSCH151J50
C 111	(A,150,65)	CCSSCH101J50
C 112	(A,150,71)	CEVW101M16
C 113	(A,151,65)	CKSSYB103K16
C 115	(A,152,53)	CSZSR470M10
C 116	(A,149,55)	CKSSYB103K16
C 118	(A,152,58)	CSZSR470M10
C 119	(A,149,60)	CKSSYB103K16
C 130	(A,158,101)	CKSSYB103K16
C 132	(A,150,117)	CCSSCH101J50
C 133	(B,144,122)	CKSSYB104K10
C 134	(A,157,114)	CEVW101M16
C 135	(A,152,117)	CKSSYB103K16
C 138	(A,134,117)	CKSSYB103K16
C 140	(A,109,115)	CSZSR470M10
C 141	(A,130,115)	CEVW101M16
C 142	(A,110,118)	CKSSYB103K16
C 144	(B,146,125)	CKSSYB222K50
C 145	(B,122,131)	CSZSR470M10
C 146	(B,121,128)	CKSSYB103K16
C 149	(B,104,89)	CKSRYB105K10
C 150	(B,148,66)	CKSSYB222K50
C 151	(A,119,116)	CCSSCH151J50
C 152	(B,106,89)	CKSRYB105K10
C 154	(B,134,50)	CKSSYB222K50
C 155	(A,132,95)	CCSSCH101J50
C 156	(A,125,104)	CCSSCH100D50
C 157	(A,134,95)	CKSSYB104K10
C 159	(A,125,102)	CKSSYB104K10
C 160	(A,126,100)	CCSSCH101J50
C 161	(A,125,95)	CKSSYB104K10
C 162	(A,129,100)	CKSSYB102K50
C 163	(A,132,100)	CCSSCH100D50

Circuit Symbol and No.		Part No.
C 164	(A,131,106)	CCSSCH100D50
C 175	(B,23,119)	CKSSYB103K16
C 176	(B,27,122)	CKSSYB103K16
C 201	(B,38,114)	CCSQCH471J50
C 202	(B,46,114)	CCSQCH471J50
C 203	(B,43,114)	CCSQCH471J50
C 204	(B,49,114)	CCSQCH471J50
C 205	(B,99,105)	CKSRYB105K10
C 206	(B,97,105)	CKSRYB105K10
C 207	(B,95,105)	CKSRYB105K10
C 208	(B,93,105)	CKSRYB105K10
C 209	(B,94,102)	CCSSCH220J50
C 210	(B,97,102)	CCSSCH220J50
C 211	(B,94,99)	CCSSCH220J50
C 212	(B,99,99)	CCSSCH220J50
C 213	(B,107,94)	CKSSYB102K50
C 214	(B,103,94)	CKSSYB102K50
C 215	(A,106,97)	CCSSCH220J50
C 216	(B,102,100)	CCSSCH220J50
C 219	(B,86,97)	CKSRYB105K10
C 220	(B,87,99)	CCSSCH220J50
C 222	(B,90,99)	CCSSCH220J50
C 223	(B,87,94)	CCSSCH220J50
C 224	(B,84,96)	CKSRYB105K10
C 225	(B,89,94)	CCSSCH220J50
C 226	(A,97,87)	CKSRYB105K10
C 227	(A,95,87)	CKSRYB105K10
C 243	(A,105,79)	CKSSYB103K16
C 244	(A,105,75)	CEVW470M16
C 245	(B,89,79)	CCSSCH220J50
C 246	(B,90,70)	CCSSCH220J50
C 249	(B,94,79)	CCSSCH220J50
C 250	(B,95,70)	CCSSCH220J50
C 251	(A,97,73) 10μF/16V	CCH1585
C 252	(A,97,68) 10μF/16V	CCH1585
C 253	(A,95,78) 10μF/16V	CCH1585
C 254	(A,95,82) 10μF/16V	CCH1585
C 255	(A,75,117)	CKSQYB103K50
C 256	(A,71,117)	CKSQYB103K50
C 257	(A,73,117)	CKSQYB103K50
C 258	(A,69,117)	CKSQYB103K50
C 259	(B,108,74)	CCSSCH220J50
C 260	(B,97,72)	CCSSCH220J50
C 261	(B,98,78)	CCSSCH220J50
C 262	(B,107,80)	CCSSCH220J50
C 263	(B,100,83) 10μF	CCG1182
C 264	(B,96,83) 10μF	CCG1182
C 265	(A,86,88) 10μF	CCG1182
C 266	(A,88,88) 10μF	CCG1182
C 267	(B,18,135)	CKSQYB103K50
C 268	(B,15,135)	CKSQYB103K50
C 269	(B,20,135)	CKSQYB103K50
C 270	(B,16,135)	CKSQYB103K50
C 301	(B,54,116)	CKSQYB222K50
C 302	(B,35,141)	CKSQYB223K50
C 303	(B,46,139)	CKSQYB473K50
C 304	(B,50,138)	CKSQYB103K50
C 305	(B,39,141)	CKSQYB223K50
C 306	(B,50,140)	CKSQYB473K50
C 308	(B,75,133)	CKSQYB222K50

Circuit Symbol and No.		Part No.
C 310	(B,57,135)	CKSQYB223K50
C 311	(B,57,137)	CKSQYB223K50
C 312	(B,25,121)	CKSQYB103K50
C 313	(B,22,120)	CKSQYB103K50
C 314	(B,16,139)	CKSQYB102K50
C 315	(B,15,139)	CKSQYB102K50
C 316	(A,89,58)	CKSSYB104K10
C 317	(B,88,61)	CKSRYB474K10
C 318	(B,92,29)	CKSSYB104K10
C 320	(B,40,139)	CCSQCH181J50
C 321	(B,33,139)	CCSQCH181J50
C 322	(B,61,115)	CKSSYB102K50
C 323	(B,23,137)	CKSSYB102K50
C 324	(B,30,140)	CKSRYB103K50
C 325	(A,81,20)	CKSRYB105K10
C 326	(A,79,20)	CKSRYB105K10
C 327	(B,59,137)	CKSSYB472K25
C 328	(B,21,144)	CKSRYB104K50
C 329	(B,22,139)	CKSRYB102K50
C 330	(B,20,139)	CKSQYB102K50
C 331	(B,18,139)	CKSQYB102K50
C 332	(B,88,62)	CKSSYB103K16
C 333	(B,75,136)	CKSQYB102K50
C 334	(B,73,136)	CKSQYB102K50
C 381	(B,101,69)	CKSSYB102K50
C 382	(A,106,68)	CKSSYB102K50
C 383	(A,98,64)	CKSQYB225K10
C 384	(A,102,66)	CKSQYB225K10
C 385	(A,83,73) 10μF/16V	CCH1585
C 386	(A,83,68) 10μF/16V	CCH1585
C 387	(A,83,78) 10μF/16V	CCH1585
C 388	(A,83,83) 10μF/16V	CCH1585
C 389	(A,25,121) 10μF	CCG1182
C 390	(A,25,116) 10μF	CCG1182
C 391	(A,22,116) 10μF	CCG1182
C 392	(A,23,121) 10μF	CCG1182
C 405	(A,25,42)	CEVW100M10
C 406	(A,25,47)	CEVW100M10
C 407	(A,25,36)	CKSSYB102K50
C 408	(A,19,38)	CKSQYB225K10
C 409	(B,147,8)	CKSSYB102K50
C 410	(B,149,8)	CKSSYB102K50
C 411	(B,151,8)	CKSSYB102K50
C 412	(B,152,8)	CKSSYB102K50
C 413	(B,155,8)	CCSSCH101J50
C 414	(B,156,8)	CCSSCH101J50
C 415	(B,157,8)	CCSSCH101J50
C 416	(B,158,8)	CCSSCH101J50
C 417	(B,159,8)	CCSSCH101J50
C 418	(B,160,8)	CCSSCH101J50
C 419	(B,162,8)	CKSSYB102K50
C 420	(B,163,8)	CCSSCH101J50
C 421	(A,20,28)	CKSSYB102K50
C 422	(B,26,36)	CKSSYB102K50
C 423	(B,26,35)	CKSSYB102K50
C 424	(B,21,38)	CKSSYB102K50
C 425	(B,23,34)	CKSSYB102K50
C 426	(A,22,26) 10μF	CCG1182
C 427	(B,25,31) 10μF	CCG1182
C 429	(A,23,17)	CKSRYB102K50

Circuit Symbol and No.			Part No.
C 431	(B,26,38)		CKSSYB104K10
C 445	(B,87,66)		CKSSYB104K10
C 446	(A,90,69)		CEVW101M16
C 502	(B,98,41)		CSZSR470M10
C 503	(B,96,40)		CKSSYB102K50
C 504	(A,98,21)		CKSSYB104K10
C 507	(A,120,26)		CKSSYB104K10
C 508	(A,123,30)		CKSSYB104K10
C 509	(A,86,22)		CKSSYB472K25
C 510	(A,84,24)		CKSSYB472K25
C 512	(B,151,90)		CKSSYB223K16
C 602	(B,70,86)		CKSRYB104K50
C 603	(A,29,73)	470µF/16V	CCH1677
C 604	(B,61,78)		CKSYB225K16
C 605	(A,93,140)	1000µF/16V	CCH1681(P45)
C 606	(A,62,86)		CKSQYB105K16
C 607	(A,66,56)		CEVLW470M16
C 608	(A,46,80)	10µF	CCG1182
C 609	(A,47,77)	10µF	CCG1182
C 610	(A,45,77)	10µF	CCG1182
C 611	(A,37,77)		CKSRYB154K10
C 612	(A,38,74)		CKSSYB123K16
C 613	(A,44,71)		CKSSYB104K10
C 614	(A,40,71)		CKSRYB105K10
C 615	(B,44,56)	10µF	CCG1182
C 616	(B,44,58)	10µF	CCG1182
C 617	(B,44,61)		CKSSYB473K10
C 618	(B,62,54)		CKSRYB104K50
C 620	(A,48,9)		CKSSYB102K50
C 621	(B,37,88)		CKSSYB102K50
C 622	(B,37,86)		CSZSR470M10
C 623	(B,34,84)		CKSRYB474K10
C 624	(A,140,140)	2200µF/16V	CCH1405(P45)
C 626	(A,56,80)	10µF	CCG1182
C 627	(A,47,72)		CKSRYB154K10
C 628	(A,48,73)		CKSSYB123K16
C 629	(A,55,71)		CKSSYB104K10
C 630	(A,51,71)		CKSRYB105K10
C 631	(B,53,56)	10µF	CCG1171
C 632	(B,53,58)	10µF	CCG1171
C 633	(B,53,61)		CKSSYB473K10
C 634	(A,58,77)	10µF	CCG1182
C 635	(A,56,77)	10µF	CCG1182
C 636	(A,30,78)		CKSRYB103K50
C 637	(A,34,85)		CKSSYB103K16
C 640	(B,66,54)		CKSRYB104K50
C 701	(B,133,138)		CKSRYB473K50
C 702	(B,131,138)		CKSRYB473K50
C 703	(A,152,141)	2200µF/16V	CCH1676(P45)
C 704	(A,27,88)		CKSRYB474K10
C 705	(A,24,83)	470µF/16V	CCH1677
C 706	(B,32,96)		CKSSYB102K50
C 707	(B,64,132)		CKSQYB103K50
C 708	(B,70,132)		CKSQYB103K50
C 709	(A,150,15)		CKSRYB104K50
C 710	(A,161,21)		CKSSYB104K10
C 711	(A,159,16)		CKSQYB105K16
C 712	(A,165,16)		CKSSYB104K10
C 713	(A,143,51)		CKSRYB104K50
C 714	(A,131,51)		CKSSYB103K16

Circuit Symbol and No.			Part No.
C 715	(A,143,49)		CKSRYB103K50
C 716	(B,22,26)		CKSRYB104K50
C 717	(B,25,26)		CKSYB475K16
C 718	(B,38,23)		CKSSYB102K50
C 719	(B,59,143)		CKSSYB103K16
C 721	(A,113,58)		CKSSYB102K50
C 724	(A,138,12)		CKSSYB102K50
C 751	(B,27,87)		CKSSYB272K50
C 761	(B,125,138)		CKSRYB473K50
C 762	(B,127,138)		CKSRYB473K50
C 763	(A,104,141)	3300µF/16V	CCH1486(P45)
C 764	(A,23,99)		CSZSC101M10
C 765	(B,25,87)		CKSRYB473K50
C 766	(A,11,100)		CKSRYB105K10
C 767	(B,15,85)		CCSSCH221J50
C 768	(B,17,91)		CKSYB475K16
C 769	(B,16,98)		CKSSYB104K10
C 770	(B,23,91)		CKSYB225K16
C 771	(B,15,81)		CKSRYB105K10
C 772	(B,23,102)		CKSSYB104K10
C 773	(A,20,108)		CKSSYB104K10
C 801	(B,49,89)		CKSYB475K16
C 802	(B,55,101)		CCSSCH470J50
C 803	(A,38,102)		CKSYB475K16
C 804	(B,55,98)		CCSSCH470J50
C 805	(B,46,98)		CKSSYB104K10
C 806	(B,49,96)		CKSSYB103K16
C 807	(A,53,93)		CSZSC101M10
C 809	(B,40,102)		CKSYB475K16
C 810	(B,37,102)		CCSSCH470J50
C 812	(B,41,97)		CKSSYB103K16
C 813	(A,44,99)		CSZSR220M10
C 814	(A,48,101)		CSZSC101M10
C 815	(B,55,94)		CCSSCH470J50
C 816	(B,55,92)		CCSSCH470J50
C 817	(B,53,90)		CKSSYB103K16
C 819	(B,46,92)		CCSSCH470J50
C 820	(A,42,90)		CKSYB475K16
C 822	(B,40,95)		CKSYB475K16
C 823	(B,37,95)		CCSSCH470J50
C 825	(B,41,90)		CKSSYB103K16
C 826	(A,44,94)		CSZSR220M10
C 827	(A,48,93)		CSZSC101M10
C 828	(A,38,100)		CKSYB475K16
C 926	(A,45,15)		CKSSYB102K50

Connector Unit Consists of Connector1 PCB Connector2 PCB

CD

Unit Number : CWM9654
Unit Name : Connector Unit

MISCELLANEOUS

IC 1101	(A,27,3)	IC	TC7W04FU
D 1003	(B,17,29)	Diode	NNCD6R8LG

Circuit Symbol and No.		Part No.
D 1004	(B,24,28) Diode	UDZS18(B)
D 1005	(B,26,28) Diode	UDZS18(B)
D 1006	(B,28,28) Diode	UDZS18(B)
D 1007	(B,30,28) Diode	UDZS18(B)
D 1101	(B,6,17) Diode	UDZS18(B)
D 1102	(B,11,8) Diode	UDZS18(B)
D 1103	(B,27,11) Diode	UDZS18(B)
D 1104	(B,27,14) Diode	UDZS18(B)
D 1105	(B,13,8) Diode	UDZS18(B)
D 1106	(B,6,19) Diode	UDZS18(B)
L 1101	(B,31,5) Inductor	LCTAW101J2520
L 1102	(A,22,5) Inductor	LCYB47NJ1608
L 1103	(A,26,13) Coil	CTC1184
L 1104	(A,22,4) Inductor	LCYB47NJ1608
EF1001	(A,63,11) EMI Filter	CCG1076
EF1101	(A,7,17) EMI Filter	CCG1076
EF1102	(A,7,13) EMI Filter	CCG1076
EF1103	(A,7,21) EMI Filter	CCG1076

RESISTORS

R 1001	(A,65,11)	RS1/10S750J
R 1101	(A,31,10)	RS1/10S271J
R 1102	(A,31,12)	RS1/10S101J
R 1103	(A,23,9)	RS1/16SS101J
R 1104	(A,5,26)	RS1/10S750J
R 1106	(B,36,11)	RS1/10S101J
R 1107	(A,35,10)	RS1/10S101J
R 1108	(B,38,11)	RS1/10S271J
R 1109	(A,35,12)	RS1/10S271J

CAPACITORS

C 1018	(B,18,25)	CKSRYB102K50
C 1019	(B,22,28)	CKSRYB102K50
C 1020	(B,33,26)	CKSRYB102K50
C 1101	(B,24,5)	CKSRYB105K6R3
C 1102	(A,22,9)	CCSSCH470J50
C 1103	(A,27,5)	CCSSCH680J50
C 1104	(A,25,5)	CKSSYB103K16
C 1105	(A,26,7)	CSZSR470M10
C 1106	(A,23,3)	CCSSCH5R0C50
C 1107	(A,22,7)	CCSSCH5R0C50

B

Unit Number : (FX-MG9857DVZT/UC)
(FX-MG9857DVZT/EW)
Unit Name : Keyboard Unit

MISCELLANEOUS

IC 2001	(B,57,53) IC	LC75700TS
Q 2001	(B,95,46) Transistor	UMX1N
Q 2002	(B,98,47) Transistor	2SC4081
Q 2003	(B,194,39) Transistor	2SA1235A-12
Q 2004	(B,187,45) Transistor	2SA1235A-12
Q 2005	(B,185,33) Transistor	2SA1235A-12
Q 2006	(B,185,39) Transistor	2SA1235A-12
Q 2007	(B,184,23) Transistor	2SA1235A-12
Q 2010	(B,140,38) Transistor	2SA1235A-12
Q 2012	(B,132,38) Transistor	2SA1235A-12

Circuit Symbol and No.		Part No.
Q 2013	(B,57,42) Transistor	DTC144EU
Q 2014	(B,48,53) Transistor	2SA1235A-12
Q 2015	(B,39,74) Transistor	2SA1235A-12
Q 2016	(B,38,47) Transistor	2SA1235A-12
Q 2017	(B,38,43) Transistor	2SA1235A-12
Q 2018	(B,64,16) Transistor	2SA1235A-12
Q 2019	(B,48,20) Transistor	2SC4081
Q 2024	(B,39,70) Transistor	2SA1235A-12
D 2001	(B,29,35) Diode	1SS355
D 2002	(A,184,75) LED	SML-310DT
D 2003	(A,43,75) LED	SML-310DT
D 2004	(B,72,20) Diode	1SS355
D 2005	(B,82,57) Diode	1SS355
D 2006	(A,184,73) LED	SML-310FC(JK)
D 2007	(A,43,73) LED	SML-310FC(JK)
D 2008	(A,212,57) LED	SML-310FC(JK)
D 2009	(A,215,64) LED	SML-310FC(JK)
D 2010	(A,212,72) LED	SML-310FC(JK)
D 2011	(A,194,64) LED	SML-310FC(JK)
D 2012	(A,197,72) LED	SML-310FC(JK)
D 2013	(A,204,75) LED	SML-310FC(JK)
D 2014	(B,182,27) Diode	1SS355
D 2015	(B,171,20) Diode	1SS355
D 2017	(A,179,59) LED	SML-310FC(JK)
D 2018	(A,204,54) LED	SML-310FC(JK)
D 2019	(A,197,57) LED	SML-310FC(JK)
D 2021	(A,172,59) LED	SML-310FC(JK)
D 2022	(A,165,30) LED	SML-310FC(JK)
D 2023	(A,196,37) LED	SML-310FC(JK)
D 2024	(A,187,15) LED	SML-310FC(JK)
D 2025	(A,196,39) LED	SML-310FC(JK)
D 2029	(B,134,24) Diode	1SS355
D 2030	(B,64,50) Diode	1SS355
D 2031	(B,186,48) Diode	1SS355
D 2033	(B,176,36) Diode	1SS355
D 2035	(B,112,25) Diode	1SS355
D 2036	(B,91,24) Diode	1SS355
D 2039	(A,187,17) LED	SML-310FC(JK)
D 2040	(A,127,30) LED	SML-310FC(JK)
D 2041	(A,133,30) LED	SML-310FC(JK)
D 2042	(A,161,30) LED	SML-310FC(JK)
D 2046	(A,99,30) LED	SML-310FC(JK)
D 2047	(A,93,30) LED	SML-310FC(JK)
D 2048	(A,65,30) LED	SML-310FC(JK)
D 2050	(A,55,59) LED	SML-310FC(JK)
D 2051	(A,48,59) LED	SML-310FC(JK)
D 2052	(A,29,72) LED	SML-310FC(JK)
D 2053	(A,22,75) LED	SML-310FC(JK)
D 2054	(A,14,72) LED	SML-310FC(JK)
D 2055	(A,22,54) LED	SML-310FC(JK)
D 2056	(A,14,57) LED	SML-310FC(JK)
D 2057	(A,11,64) LED	SML-310FC(JK)
D 2058	(A,39,17) LED	SML-310FC(JK)
D 2059	(A,39,15) LED	SML-310FC(JK)
D 2060	(A,30,39) LED	SML-310FC(JK)
D 2066	(A,30,37) LED	SML-310FC(JK)
D 2067	(A,61,30) LED	SML-310FC(JK)
D 2073	(B,60,18) Diode	HZU6R8(B1)
D 2074	(A,33,64) LED	SML-310FC(JK)
D 2075	(A,29,57) LED	SML-310FC(JK)

Circuit Symbol and No.			Part No.
D 2076	(B,76,55)	Diode	1SS355
L 2001	(B,61,43)	Inductor	LCTAW101J2520
S 2021	(A,22,64)	Encoder(PWR•VOL)	CSD1130
S 2022	(A,204,64)	Encoder(TUNE•FILE)	CSD1131

RESISTORS

R 2001	(B,91,43)	RS1/16S102J
R 2002	(B,97,44)	RS1/16S151J
R 2003	(B,101,46)	RS1/16S121J
R 2004	(B,101,48)	RS1/16S223J
R 2005	(B,95,49)	RS1/16S470J
R 2006	(B,101,43)	RS1/16S472J
R 2007	(B,99,50)	RS1/16S102J
R 2008	(B,194,36)	RS1/16S101J
R 2009	(B,183,45)	RS1/16S101J
R 2010	(B,184,35)	RS1/16S101J
R 2011	(B,188,36)	RS1/16S101J
R 2012	(B,186,27)	RS1/16S101J
R 2018	(B,143,36)	RS1/16S101J
R 2020	(B,136,36)	RS1/16S101J
R 2021	(B,64,46)	RS1/16S393J
R 2022	(B,49,56)	RS1/16S101J
R 2023	(B,39,67)	RS1/16S101J
R 2024	(B,58,45)	RS1/16S473J
R 2025	(B,45,53)	RS1/16S101J
R 2026	(B,57,58)	RS1/16S102J
R 2027	(B,52,53)	RS1/16S102J
R 2028	(B,52,54)	RS1/16S102J
R 2029	(B,46,51)	RS1/16S101J
R 2030	(B,54,59)	RS1/16S102J
R 2031	(B,46,47)	RS1/16S102J
R 2032	(B,51,46)	RS1/16S102J
R 2033	(B,52,46)	RS1/16S102J
R 2034	(B,56,46)	RS1/16S102J
R 2035	(B,58,47)	RS1/16S472J
R 2036	(B,65,20)	RS1/16S331J
R 2037	(B,60,16)	RS1/16S561J
R 2038	(B,45,20)	RS1/16S271J
R 2039	(B,41,20)	RS1/16S223J
R 2040	(B,46,22)	RS1/16S472J
R 2045	(B,42,68)	RS1/16S101J
R 2046	(B,71,57)	RS1/16S102J
R 2048	(B,71,55)	RS1/16S102J
R 2049	(B,64,56)	RS1/16S102J
R 2050	(B,64,55)	RS1/16S102J
R 2051	(B,64,54)	RS1/16S102J
R 2052	(B,64,52)	RS1/16S102J
R 2053	(B,178,52)	RS1/16S0R0J
R 2055	(B,190,40)	RS1/16S102J
R 2056	(B,185,42)	RS1/16S102J
R 2057	(B,182,33)	RS1/16S102J
R 2058	(B,188,40)	RS1/16S102J
R 2059	(B,179,22)	RS1/16S102J
R 2062	(B,144,39)	RS1/16S102J
R 2063	(B,136,39)	RS1/16S102J
R 2064	(B,46,56)	RS1/16S102J
R 2065	(B,42,75)	RS1/16S102J
R 2066	(B,45,55)	RS1/16S102J
R 2067	(B,44,51)	RS1/16S102J
R 2072	(B,42,71)	RS1/16S102J

Circuit Symbol and No.		Part No.
R 2080	(B,82,28)	RS1/16S0R0J
R 2081	(B,82,26)	RS1/16S0R0J
R 2082	(B,82,24)	RS1/16S0R0J
R 2083	(B,82,31)	RS1/16S0R0J
R 2085	(B,171,36)	RS1/16S0R0J
R 2086	(B,134,26)	RS1/16S0R0J
R 2088	(B,99,26)	RS1/16S0R0J
R 2090	(B,94,26)	RS1/16S0R0J

CAPACITORS

C 2001	(B,95,43)	CKSRYB103K50
C 2002	(B,101,45)	CKSRYB472K50
C 2003	(B,101,49)	CKSRYB103K50
C 2004	(B,64,45)	CKSRYB102K50
C 2005	(B,60,44)	CKSRYB102K50
C 2006	(B,54,46)	CCSRCH101J50
C 2007	(B,53,46)	CCSRCH101J50
C 2008	(B,49,46)	CCSRCH101J50
C 2009	(B,48,46)	CCSRCH101J50
C 2010	(B,63,20)	CKSRYB473K50
C 2011	(B,43,20)	CKSRYB472K50
C 2012	(B,64,43)	CKSRYB104K50
C 2013	(B,60,20)	CKSRYB104K50
C 2014	(B,64,42)	CKSRYB104K50
C 2015	(B,60,21)	CKSRYB104K50

B

Unit Number : (FX-MG9757DVZT/EW)
(FX-MG9757DVZT/AU)
Unit Name : Keyboard Unit

MISCELLANEOUS

IC 2001	(B,57,53)	IC	LC75700TS
Q 2001	(B,95,46)	Transistor	UMX1N
Q 2002	(B,98,47)	Transistor	2SC4081
Q 2003	(B,194,39)	Transistor	2SA1235A-12
Q 2004	(B,187,45)	Transistor	2SA1235A-12
Q 2005	(B,185,33)	Transistor	2SA1235A-12
Q 2006	(B,185,39)	Transistor	2SA1235A-12
Q 2007	(B,184,23)	Transistor	2SA1235A-12
Q 2010	(B,140,38)	Transistor	2SA1235A-12
Q 2012	(B,132,38)	Transistor	2SA1235A-12
Q 2013	(B,57,42)	Transistor	DTC144EU
Q 2014	(B,48,53)	Transistor	2SA1235A-12
Q 2015	(B,39,74)	Transistor	2SA1235A-12
Q 2016	(B,38,47)	Transistor	2SA1235A-12
Q 2017	(B,38,43)	Transistor	2SA1235A-12
Q 2018	(B,64,16)	Transistor	2SA1235A-12
Q 2019	(B,48,20)	Transistor	2SC4081
Q 2024	(B,39,70)	Transistor	2SA1235A-12
D 2001	(B,29,35)	Diode	1SS355
D 2002	(A,184,75)	LED	SML-310DT
D 2003	(A,43,75)	LED	SML-310DT
D 2004	(B,72,20)	Diode	1SS355
D 2006	(A,184,73)	LED	SML-310FC(JK)
D 2007	(A,43,73)	LED	SML-310FC(JK)
D 2008	(A,212,57)	LED	SML-310FC(JK)
D 2009	(A,215,64)	LED	SML-310FC(JK)

Circuit Symbol and No.			Part No.
D 2010	(A,212,72)	LED	SML-310FC(JK)
D 2011	(A,194,64)	LED	SML-310FC(JK)
D 2012	(A,197,72)	LED	SML-310FC(JK)
D 2013	(A,204,75)	LED	SML-310FC(JK)
D 2014	(B,182,27)	Diode	1SS355
D 2015	(B,171,20)	Diode	1SS355
D 2016	(B,194,42)	Diode	1SS355
D 2017	(A,179,59)	LED	SML-310FC(JK)
D 2018	(A,204,54)	LED	SML-310FC(JK)
D 2019	(A,197,57)	LED	SML-310FC(JK)
D 2020	(B,76,57)	Diode	1SS355
D 2021	(A,172,59)	LED	SML-310FC(JK)
D 2022	(A,165,30)	LED	SML-310FC(JK)
D 2023	(A,196,37)	LED	SML-310FC(JK)
D 2024	(A,187,15)	LED	SML-310FC(JK)
D 2025	(A,196,39)	LED	SML-310FC(JK)
D 2030	(B,64,50)	Diode	1SS355
D 2031	(B,186,48)	Diode	1SS355
D 2032	(B,108,25)	Diode	1SS355
D 2033	(B,176,36)	Diode	1SS355
D 2034	(B,125,24)	Diode	1SS355
D 2036	(B,91,24)	Diode	1SS355
D 2039	(A,187,17)	LED	SML-310FC(JK)
D 2040	(A,127,30)	LED	SML-310FC(JK)
D 2041	(A,133,30)	LED	SML-310FC(JK)
D 2042	(A,161,30)	LED	SML-310FC(JK)
D 2046	(A,99,30)	LED	SML-310FC(JK)
D 2047	(A,93,30)	LED	SML-310FC(JK)
D 2048	(A,65,30)	LED	SML-310FC(JK)
D 2050	(A,55,59)	LED	SML-310FC(JK)
D 2051	(A,48,59)	LED	SML-310FC(JK)
D 2052	(A,29,72)	LED	SML-310FC(JK)
D 2053	(A,22,75)	LED	SML-310FC(JK)
D 2054	(A,14,72)	LED	SML-310FC(JK)
D 2055	(A,22,54)	LED	SML-310FC(JK)
D 2056	(A,14,57)	LED	SML-310FC(JK)
D 2057	(A,11,64)	LED	SML-310FC(JK)
D 2058	(A,39,17)	LED	SML-310FC(JK)
D 2059	(A,39,15)	LED	SML-310FC(JK)
D 2060	(A,30,39)	LED	SML-310FC(JK)
D 2066	(A,30,37)	LED	SML-310FC(JK)
D 2067	(A,61,30)	LED	SML-310FC(JK)
D 2073	(B,60,18)	Diode	HZU6R8(B1)
D 2074	(A,33,64)	LED	SML-310FC(JK)
D 2075	(A,29,57)	LED	SML-310FC(JK)
D 2076	(B,76,55)	Diode	1SS355
L 2001	(B,61,43)	Inductor	LCTAW101J2520
S 2021	(A,22,64)	Encoder(TUNE•FILE)	CSD1131
S 2022	(A,204,64)	Encoder(PWR•VOL)	CSD1130

RESISTORS

Circuit Symbol and No.		Part No.
R 2001	(B,91,43)	RS1/16S102J
R 2002	(B,97,44)	RS1/16S151J
R 2003	(B,101,46)	RS1/16S121J
R 2004	(B,101,48)	RS1/16S223J
R 2005	(B,95,49)	RS1/16S470J
R 2006	(B,101,43)	RS1/16S472J
R 2007	(B,99,50)	RS1/16S102J
R 2008	(B,194,36)	RS1/16S101J
R 2009	(B,183,45)	RS1/16S101J
R 2010	(B,184,35)	RS1/16S101J
R 2011	(B,188,36)	RS1/16S101J
R 2012	(B,186,27)	RS1/16S101J
R 2018	(B,143,36)	RS1/16S101J
R 2020	(B,136,36)	RS1/16S101J
R 2021	(B,64,46)	RS1/16S393J
R 2022	(B,49,56)	RS1/16S101J
R 2023	(B,39,67)	RS1/16S101J
R 2024	(B,58,45)	RS1/16S473J
R 2025	(B,45,53)	RS1/16S101J
R 2026	(B,57,58)	RS1/16S102J
R 2027	(B,52,53)	RS1/16S102J
R 2028	(B,52,54)	RS1/16S102J
R 2029	(B,46,51)	RS1/16S101J
R 2030	(B,54,59)	RS1/16S102J
R 2031	(B,46,47)	RS1/16S102J
R 2032	(B,51,46)	RS1/16S102J
R 2033	(B,52,46)	RS1/16S102J
R 2034	(B,56,46)	RS1/16S102J
R 2035	(B,58,47)	RS1/16S472J
R 2036	(B,65,20)	RS1/16S331J
R 2037	(B,60,16)	RS1/16S561J
R 2038	(B,45,20)	RS1/16S271J
R 2039	(B,41,20)	RS1/16S223J
R 2040	(B,46,22)	RS1/16S472J
R 2045	(B,42,68)	RS1/16S101J
R 2046	(B,71,57)	RS1/16S102J
R 2048	(B,71,55)	RS1/16S102J
R 2049	(B,64,56)	RS1/16S102J
R 2050	(B,64,55)	RS1/16S102J
R 2051	(B,64,54)	RS1/16S102J
R 2052	(B,64,52)	RS1/16S102J
R 2053	(B,178,52)	RS1/16S0R0J
R 2055	(B,190,40)	RS1/16S102J
R 2056	(B,185,42)	RS1/16S102J
R 2057	(B,182,33)	RS1/16S102J
R 2058	(B,188,40)	RS1/16S102J
R 2059	(B,179,22)	RS1/16S102J
R 2062	(B,144,39)	RS1/16S102J
R 2063	(B,136,39)	RS1/16S102J
R 2064	(B,46,56)	RS1/16S102J
R 2065	(B,42,75)	RS1/16S102J
R 2066	(B,45,55)	RS1/16S102J
R 2067	(B,44,51)	RS1/16S102J
R 2072	(B,42,71)	RS1/16S102J
R 2076	(B,77,28)	RS1/16S0R0J
R 2077	(B,77,26)	RS1/16S0R0J
R 2078	(B,77,24)	RS1/16S0R0J
R 2079	(B,77,31)	RS1/16S0R0J
R 2084	(B,168,36)	RS1/16S0R0J
R 2086	(B,134,26)	RS1/16S0R0J
R 2088	(B,99,26)	RS1/16S0R0J
R 2091	(B,88,26)	RS1/16S0R0J

CAPACITORS

Circuit Symbol and No.		Part No.
C 2001	(B,95,43)	CKSRYB103K50
C 2002	(B,101,45)	CKSRYB472K50
C 2003	(B,101,49)	CKSRYB103K50

Circuit Symbol and No.		Part No.
C 2004	(B,64,45)	CKSRYB102K50
C 2005	(B,60,44)	CKSRYB102K50
C 2006	(B,54,46)	CCSRCH101J50
C 2007	(B,53,46)	CCSRCH101J50
C 2008	(B,49,46)	CCSRCH101J50
C 2009	(B,48,46)	CCSRCH101J50
C 2010	(B,63,20)	CKSRYB473K50
C 2011	(B,43,20)	CKSRYB472K50
C 2012	(B,64,43)	CKSRYB104K50
C 2013	(B,60,20)	CKSRYB104K50
C 2014	(B,64,42)	CKSRYB104K50
C 2015	(B,60,21)	CKSRYB104K50

E

Unit Number: CWX3050
Unit Name : DVD Core Unit

MISCELLANEOUS

Circuit Symbol and No.			Part No.
IC 1001	(A,7,9)	IC	S-L2980A50MC-C7J
IC 1003	(A,83,36)	IC	LTC3411EMS
IC 1201	(A,23,73)	IC	AN8471SAT1
IC 1240	(A,49,74)	IC	BD7962FM
IC 1501	(A,86,79)	IC	MN35103UB
IC 1570	(B,68,87)	IC	EDS1232AATA-75
IC 1601	(B,108,57)	IC	PD6496A
IC 1602	(B,120,62)	IC	TC7SH86FUS1
IC 1651	(B,108,27)	IC	M5M5V216ATP-70HI
IC 1652	(B,98,36)	IC	TC7SZ126FU
IC 1671	(B,108,43)	IC	TC74LCX16373AFT
IC 1672	(B,98,40)	IC	TC7SZ08FU
IC 1801	(B,33,92)	IC	SM8707LV
IC 1802	(B,33,81)	IC	TC7WH157FU
IC 1851	(B,16,87)	IC	PCM1742KE
IC 1852	(B,17,79)	IC	NJM2100V
IC 1853	(B,17,74)	IC	NJM2100V
IC 1881	(B,14,45)	IC	TC74VHC541FTS1
IC 1901	(A,23,56)	IC	BA033SFP
IC 2001	(A,108,39)	IC	PE5443A
IC 2002	(A,98,28)	IC	BR93L56RFVM-W
IC 2003	(A,98,23)	IC	TC74HC4053AFT
IC 2006	(B,122,25)	IC	NJM2904V
Q 1002	(A,76,37)	Transistor	DTC114EU
Q 1101	(A,53,91)	Transistor	2SB1260
Q 1102	(A,53,97)	Transistor	2SB1260
Q 1103	(A,58,102)	Transistor	DTC114EU
Q 1104	(A,55,102)	Transistor	2SA1576
Q 1105	(A,50,102)	Transistor	2SC4081
Q 1106	(A,63,93)	Transistor	2SC4081
Q 1107	(A,63,99)	Transistor	2SC4081
Q 1551	(A,107,98)	Transistor	2SA1576
Q 2001	(A,123,42)	Transistor	2SA2018
D 1001	(A,12,7)	Diode	1SR154-400
D 1101	(A,49,91)	Diode	1SS355
D 1102	(A,49,96)	Diode	1SS355
D 2001	(B,94,36)	Diode	DAN202U
L 1001	(A,77,30)	Inductor	CTF1623
L 1002	(A,86,26)	Inductor	CTF1624
L 1022	(A,9,5)	Inductor	CTF1558
L 1101	(A,19,99)	Inductor	CTF1305
L 1501	(A,118,69)	Inductor	CTF1378
L 1502	(A,121,61)	Inductor	CTF1487
L 1503	(B,75,71)	Inductor	CTF1488
L 1554	(A,89,98)	Inductor	CTF1473
L 1555	(A,90,100)	Inductor	CTF1473
L 1556	(A,96,103)	Inductor	CTF1400
L 1557	(A,103,102)	Inductor	CTF1395
L 1558	(A,106,84)	Inductor	CTF1473
L 1559	(A,73,101)	Inductor	CTF1387
L 1561	(A,112,97)	Inductor	CTF1473
L 1601	(B,112,68)	Inductor	CTF1464
L 1651	(B,120,35)	Inductor	CTF1464
L 1671	(B,120,39)	Inductor	CTF1473
L 1801	(B,27,93)	Inductor	CTF1558
L 1802	(B,27,90)	Inductor	CTF1558
L 1803	(B,30,76)	Inductor	CTF1464
L 1804	(B,35,76)	Inductor	CTF1385
L 1805	(B,35,87)	Inductor	CTF1385
L 1851	(B,25,89)	Inductor	CTF1464
L 1852	(B,25,83)	Inductor	CTF1473
L 1881	(B,20,46)	Inductor	CTF1473
L 1883	(B,19,51)	Ferrite Bead	CTF1528
L 1884	(B,14,51)	Inductor	CTF1389
L 1885	(B,13,51)	Ferrite Bead	CTF1528
L 1886	(B,12,51)	Ferrite Bead	CTF1528
L 1901	(B,17,15)	Inductor	CTF1487
L 1902	(A,14,20)	Inductor	CTF1558
L 1903	(A,16,22)	Inductor	CTF1558
L 1904	(B,23,24)	Inductor	CTF1468
L 1907	(B,23,22)	Inductor	CTF1558
X 1801	(B,34,99)	Resonator 27.000MHz	CSS1661
X 2001	(A,109,50)	Ceramic Resonator 9.830MHz	CSS1684
VR1551	(A,86,103)	Semi-fixed 10kΩ(B)	CCP1448
EF1570	(B,75,74)	EMI Filter	DTF1106
EF1801	(B,27,87)	EMI Filter	DTL1106
EF1802	(B,30,79)	EMI Filter	DTL1106
EF1803	(B,27,96)	EMI Filter	DTL1106
EF1901	(A,11,20)	EMI Filter	DTL1106
EF1902	(A,13,22)	EMI Filter	DTL1106
EF1903	(B,21,24)	EMI Filter	DTL1106
EF1905	(B,13,15)	EMI Filter	DTF1106
EF1907	(B,21,22)	EMI Filter	DTL1106

RESISTORS

Circuit Symbol and No.		Part No.
R 1003	(A,85,41)	RS1/16SS1003D
R 1005	(A,83,41)	RS1/16SS1501D
R 1006	(A,85,42)	RS1/16SS8202D
R 1007	(A,83,42)	RS1/16SS1502D
R 1008	(A,81,42)	RS1/16SS101J
R 1010	(A,88,37)	RS1/16SS105J
R 1011	(A,79,37)	RS1/16SS105J
R 1013	(A,85,39)	RS1/16SS103J
R 1014	(A,79,39)	RS1/16SS1203D
R 1015	(A,78,39)	RS1/16SS2402D
R 1016	(A,77,39)	RS1/16SS0R0J
R 1017	(A,75,39)	RS1/16SS0R0J
R 1018	(A,89,37)	RS1/16SS105J
R 1021	(A,83,39)	RS1/16SS122J
R 1101	(A,61,90)	RS1/16S6R8J

Circuit Symbol and No.			Part No.
R	1102	(A,57,91)	RS1/16SS3R9J
R	1103	(A,57,89)	RS1/16SS3R9J
R	1104	(A,56,89)	RS1/16SS3R9J
R	1105	(A,56,91)	RS1/16SS3R9J
R	1106	(A,61,97)	RS1/16S6R8J
R	1107	(A,57,98)	RS1/16SS3R9J
R	1108	(A,57,96)	RS1/16SS3R9J
R	1109	(A,56,96)	RS1/16SS3R9J
R	1110	(A,56,98)	RS1/16SS3R9J
R	1111	(A,54,104)	RS1/16SS272J
R	1112	(A,57,104)	RS1/16SS472J
R	1113	(A,50,104)	RS1/16SS102J
R	1114	(A,56,94)	RS1/16SS221J
R	1115	(A,57,100)	RS1/16SS221J
R	1116	(A,63,95)	RS1/16SS331J
R	1117	(A,63,101)	RS1/16SS221J
R	1120	(A,57,93)	RS1/16SS0R0J
R	1201	(A,18,96)	RS1/16SS181J
R	1202	(A,14,95)	RS1/16SS181J
R	1203	(A,16,74)	RS1/16SS513J
R	1204	(A,16,71)	RS1/16SS221J
R	1206	(A,29,70)	RS1/16SS513J
R	1209	(A,19,88)	RS1/10S391J
R	1210	(A,15,88)	RS1/10S391J
R	1211	(A,29,76)	RS1/16SS1R0J
R	1212	(A,29,75)	RS1/16SS1R0J
R	1213	(A,29,74)	RS1/16SS1R0J
R	1214	(A,29,73)	RS1/16SS1R0J
R	1215	(A,29,72)	RS1/16SS1R0J
R	1216	(A,29,71)	RS1/16SS1R0J
R	1217	(A,15,75)	RS1/16SS102J
R	1251	(A,54,84)	RS1/16SS102J
R	1252	(A,51,85)	RS1/16SS472J
R	1253	(A,52,82)	RS1/16SS823J
R	1254	(A,52,84)	RS1/16SS122J
R	1255	(A,51,84)	RS1/16SS122J
R	1256	(A,51,82)	RS1/16SS682J
R	1257	(A,54,82)	RAB4CQ103J
R	1258	(A,47,84)	RS1/16SS223J
R	1259	(A,45,84)	RS1/16SS223J
R	1260	(A,46,82)	RS1/16SS393J
R	1261	(A,45,82)	RS1/16SS393J
R	1262	(A,54,67)	RS1/16SS273J
R	1263	(A,53,67)	RS1/16SS153J
R	1264	(A,52,67)	RS1/16SS102J
R	1265	(A,48,67)	RS1/16SS183J
R	1266	(A,47,67)	RS1/16SS333J
R	1272	(A,47,85)	RS1/16SS102J
R	1273	(A,45,85)	RS1/16SS102J
R	1274	(A,56,83)	RS1/10S0R0J
R	1501	(A,89,58)	RS1/16SS0R0J
R	1502	(A,80,63)	RS1/16SS0R0J
R	1503	(A,81,60)	RAB4CQ101J
R	1504	(A,82,58)	RS1/16SS0R0J
R	1505	(A,83,58)	RS1/16SS0R0J
R	1506	(A,84,60)	RAB4CQ101J
R	1507	(A,86,63)	RS1/16SS0R0J
R	1508	(A,87,60)	RAB4CQ101J
R	1509	(A,87,58)	RS1/16SS0R0J

Circuit Symbol and No.			Part No.
R	1511	(A,90,60)	RAB4CQ101J
R	1512	(A,90,58)	RS1/16SS0R0J
R	1513	(A,92,59)	RS1/16SS473J
R	1514	(A,93,61)	RS1/16SS104J
R	1515	(A,105,66)	RS1/16SS222J
R	1521	(A,96,57)	RS1/16SS0R0J
R	1522	(A,103,68)	RS1/16SS103J
R	1523	(A,94,61)	RS1/16SS104J
R	1525	(A,95,59)	RS1/16SS102J
R	1526	(A,94,57)	RS1/16SS0R0J
R	1529	(A,95,57)	RS1/16SS0R0J
R	1530	(A,97,63)	RS1/16SS104J
R	1531	(A,99,60)	RS1/16S221J
R	1532	(A,100,60)	RS1/16SS104J
R	1536	(A,99,63)	RS1/16SS104J
R	1537	(A,100,63)	RS1/16SS104J
R	1539	(A,103,75)	RS1/16SS104J
R	1540	(A,103,70)	RS1/16SS221J
R	1541	(A,104,71)	RS1/16SS473J
R	1543	(A,103,72)	RS1/16SS104J
R	1544	(A,103,74)	RS1/16SS102J
R	1545	(A,104,74)	RS1/16SS102J
R	1546	(A,105,64)	RS1/16SS104J
R	1547	(A,104,75)	RS1/16SS330J
R	1548	(A,95,61)	RS1/16SS104J
R	1552	(A,73,102)	RS1/16S101J
R	1553	(A,76,101)	RS1/16S101J
R	1554	(A,77,101)	RS1/16S101J
R	1555	(A,79,98)	RS1/16S101J
R	1556	(A,80,101)	RS1/16S101J
R	1558	(A,85,96)	RS1/16SS750J
R	1561	(A,88,96)	RS1/16SS153J
R	1562	(A,109,96)	RS1/16SS471J
R	1563	(A,110,96)	RS1/16SS471J
R	1565	(A,112,95)	RS1/16S68R0D
R	1566	(A,114,95)	RS1/16S4R7J
R	1567	(A,83,102)	RS1/16SS273J
R	1568	(A,83,104)	RS1/16SS183J
R	1569	(A,84,98)	RS1/16SS153J
R	1570	(A,81,101)	RS1/16SS222J
R	1571	(A,73,99)	RAB4CQ101J
R	1572	(A,73,96)	RAB4CQ101J
R	1573	(A,67,91)	RAB4CQ101J
R	1574	(A,67,88)	RAB4CQ101J
R	1575	(A,67,86)	RS1/16SS560J
R	1576	(A,67,85)	RS1/16SS560J
R	1577	(A,67,83)	RAB4CQ560J
R	1578	(A,67,81)	RAB4CQ560J
R	1579	(A,69,79)	RS1/16SS220J
R	1580	(A,67,78)	RAB4CQ560J
R	1581	(A,67,76)	RS1/16SS560J
R	1582	(A,67,75)	RS1/16SS560J
R	1583	(A,67,74)	RS1/16SS560J
R	1584	(A,67,72)	RAB4CQ560J
R	1585	(A,67,70)	RS1/16SS560J
R	1586	(A,67,69)	RS1/16SS560J
R	1587	(A,67,67)	RAB4CQ101J
R	1588	(A,67,64)	RAB4CQ101J
R	1589	(A,74,60)	RAB4CQ101J
R	1590	(A,77,60)	RAB4CQ101J

Circuit Symbol and No.		Part No.
R 1593	(B,61,86)	RS1/16SS104J
R 1595	(A,78,101)	RS1/16SS101J
R 1599	(A,71,101)	RS1/16S221J
R 1604	(B,120,60)	RS1/16SS0R0J
R 1608	(B,94,52)	RS1/16SS104J
R 1613	(B,96,64)	RS1/16SS0R0J
R 1621	(B,119,57)	RS1/16SS0R0J
R 1652	(B,103,35)	RS1/16SS104J
R 1653	(B,101,35)	RS1/16SS510J
R 1671	(B,103,49)	RAB4CQ101J
R 1672	(B,107,50)	RAB4CQ101J
R 1673	(B,109,50)	RAB4CQ101J
R 1674	(B,113,49)	RAB4CQ101J
R 1675	(B,101,41)	RS1/16SS331J
R 1701	(A,103,69)	RS1/16SS103J
R 1702	(A,105,68)	RS1/16SS103J
R 1705	(A,90,98)	RN1/16SE1002D
R 1709	(A,93,100)	RS1/16S1502D
R 1710	(A,95,98)	RS1/16SS102J
R 1711	(A,97,99)	RS1/16SS683J
R 1712	(A,98,96)	RS1/16SS103J
R 1713	(A,99,96)	RS1/16SS103J
R 1714	(A,101,96)	RS1/16SS0R0J
R 1715	(A,104,94)	RS1/16SS0R0J
R 1716	(A,104,93)	RS1/16SS0R0J
R 1717	(A,104,92)	RS1/16SS0R0J
R 1718	(A,103,91)	RS1/16SS103J
R 1719	(A,104,91)	RS1/16SS103J
R 1720	(A,103,90)	RS1/16SS103J
R 1721	(A,104,90)	RS1/16SS103J
R 1723	(A,106,87)	RN1/16SE3901D
R 1729	(A,105,81)	RAB4CQ220J
R 1730	(A,105,78)	RAB4CQ220J
R 1733	(B,92,87)	RS1/16SS104J
R 1734	(B,91,87)	RS1/16SS104J
R 1801	(B,31,87)	RS1/16S0R0J
R 1802	(B,29,94)	RS1/16S151J
R 1803	(B,29,87)	RS1/16S151J
R 1804	(B,32,87)	RS1/16S221J
R 1805	(B,37,87)	RS1/16S271J
R 1806	(B,33,86)	RS1/16SS104J
R 1809	(B,33,77)	RS1/16SS0R0J
R 1811	(B,16,40)	RS1/16SS0R0J
R 1812	(B,15,40)	RS1/16SS0R0J
R 1813	(B,14,40)	RS1/16SS0R0J
R 1814	(B,13,40)	RS1/16SS0R0J
R 1821	(B,37,81)	RS1/16SS222J
R 1823	(B,36,96)	RS1/16SS101J
R 1825	(B,35,79)	RS1/16SS101J
R 1851	(B,11,91)	RS1/16SS0R0J
R 1855	(B,16,53)	RS1/16S0R0J
R 1856	(B,14,77)	RS1/16SS102J
R 1857	(B,14,82)	RS1/16SS102J
R 1858	(B,11,77)	RS1/16SS222J
R 1859	(B,11,82)	RS1/16SS222J
R 1860	(B,12,77)	RS1/16SS332J
R 1861	(B,12,82)	RS1/16SS332J
R 1862	(B,12,75)	RS1/16SS332J
R 1863	(B,12,80)	RS1/16SS332J
R 1864	(B,10,73)	RS1/16SS103J

Circuit Symbol and No.		Part No.
R 1865	(B,10,78)	RS1/16SS103J
R 1866	(B,12,73)	RS1/16SS472J
R 1867	(B,12,78)	RS1/16SS472J
R 1868	(B,19,71)	RS1/16SS821J
R 1869	(B,12,71)	RS1/16SS821J
R 1870	(B,18,66)	RS1/16SS104J
R 1871	(B,12,66)	RS1/16SS104J
R 1875	(B,16,91)	RS1/16SS0R0J
R 1881	(B,20,49)	RS1/16SS104J
R 1882	(B,16,51)	RS1/16S221J
R 1889	(B,19,49)	RS1/16SS221J
R 1897	(B,37,84)	RS1/16SS101J
R 1899	(B,18,38)	RS1/16SS473J
R 1901	(A,18,24)	RS1/16SS221J
R 1903	(A,20,26)	RS1/16SS221J
R 1905	(A,18,50)	RS1/16SS102J
R 1922	(A,16,30)	RS1/16SS0R0J
R 1923	(A,117,82)	RS1/16SS221J
R 1924	(B,26,33)	RS1/16S221J
R 1927	(A,15,30)	RS1/16SS0R0J
R 1931	(B,25,26)	RS1/16SS0R0J
R 1933	(B,25,27)	RS1/16SS0R0J
R 1938	(A,16,36)	RS1/16SS0R0J
R 1945	(B,24,36)	RS1/16SS0R0J
R 1947	(A,115,77)	RS1/16SS221J
R 1954	(A,16,26)	RS1/16SS221J
R 1955	(A,18,27)	RS1/16SS221J
R 2000	(A,118,32)	RS1/16SS104J
R 2001	(A,120,32)	RS1/16SS104J
R 2002	(A,118,34)	RS1/16SS472J
R 2003	(A,118,35)	RS1/16SS104J
R 2006	(A,118,37)	RS1/16SS104J
R 2007	(A,120,37)	RS1/16SS104J
R 2008	(A,118,38)	RS1/16SS104J
R 2009	(A,120,38)	RS1/16SS103J
R 2010	(A,105,27)	RS1/16SS473J
R 2011	(A,118,40)	RS1/16SS103J
R 2012	(A,120,41)	RS1/16SS103J
R 2013	(A,120,42)	RS1/16SS223J
R 2016	(A,120,45)	RS1/16SS184J
R 2021	(A,104,52)	RS1/16SS104J
R 2022	(A,99,49)	RS1/16S221J
R 2023	(A,95,46)	RS1/16S221J
R 2037	(A,98,34)	RS1/16SS104J
R 2038	(A,96,32)	RS1/16SS104J
R 2040	(A,103,29)	RS1/16SS104J
R 2041	(A,104,27)	RS1/16SS221J
R 2042	(A,104,29)	RS1/16SS104J
R 2043	(A,106,29)	RS1/16SS104J
R 2044	(A,106,27)	RS1/16SS104J
R 2045	(A,107,29)	RS1/16SS104J
R 2046	(A,107,27)	RS1/16SS104J
R 2047	(A,108,29)	RS1/16SS104J
R 2048	(A,108,27)	RS1/16SS104J
R 2049	(A,109,29)	RS1/16SS104J
R 2050	(A,109,24)	RS1/16SS104J
R 2051	(A,112,24)	RS1/16SS104J
R 2054	(A,110,29)	RS1/16SS104J
R 2055	(A,112,29)	RS1/16SS104J
R 2057	(A,113,27)	RS1/16SS104J

Circuit Symbol and No.	Part No.
R 2059 (A,120,34)	RS1/16SS104J
R 2060 (A,118,46)	RS1/16SS473J
R 2061 (A,118,45)	RS1/16SS682J
R 2062 (A,112,51)	RS1/16SS473J
R 2063 (A,106,54)	RS1/16SS104J
R 2064 (A,105,54)	RS1/16SS222J
R 2065 (A,106,52)	RS1/16SS473J
R 2067 (A,105,52)	RS1/16SS473J
R 2068 (A,104,49)	RS1/16SS104J
R 2073 (A,96,31)	RS1/16SS473J
R 2074 (A,98,31)	RS1/16SS472J
R 2075 (A,102,29)	RS1/16SS473J
R 2076 (B,92,42)	RS1/16SS0R0J
R 2077 (A,122,39)	RS1/16SS272J
R 2078 (A,123,39)	RS1/16SS103J
R 2080 (A,103,23)	RS1/16SS272J
R 2081 (A,103,22)	RS1/16SS243J
R 2082 (A,104,50)	RS1/16SS221J
R 2083 (B,92,44)	RS1/16SS221J
R 2084 (A,97,35)	RS1/16SS221J
R 2086 (A,98,33)	RS1/16SS0R0J
R 2087 (A,83,51)	RS1/16S0R0J
R 2092 (A,105,25)	RS1/16SS103J
R 2093 (A,106,25)	RS1/16SS103J
R 2094 (A,120,28)	RS1/16S0R0J
R 2096 (A,98,48)	RS1/16SS104J
R 2097 (A,102,27)	RS1/16SS104J
R 2098 (A,115,29)	RS1/16SS104J
R 2109 (A,108,48)	RS1/16SS105J
R 2110 (A,75,55)	RS1/16SS392J
R 2111 (A,74,57)	Rs1/16SS123J

CAPACITORS

Circuit Symbol and No.	Part No.
C 1001 (A,6,6)	CKSRYB105K10
C 1005 (A,4,9)	CKSRYB105K10
C 1006 (A,76,23)	CKSRYB104K25
C 1007 (A,79,26) 22μF	CCG1178
C 1008 (A,84,32) 22μF	CCG1178
C 1009 (A,83,40)	CCSSCH220J50
C 1010 (A,81,39)	CKSSYB102K50
C 1012 (A,79,24) 22μF	CCG1178
C 1013 (A,84,30) 22μF	CCG1178
C 1101 (A,29,83)	CSZSR220M16
C 1102 (A,59,91)	CSZSR101M6R3
C 1103 (A,56,93)	CKSSYB104K10
C 1104 (A,49,93)	CKSSYB103K16
C 1105 (A,59,97)	CSZSR101M6R3
C 1106 (A,56,100)	CKSSYB104K10
C 1107 (A,49,98)	CKSSYB103K16
C 1108 (A,52,103)	CKSRYB104K25
C 1109 (A,56,104)	CKSSYB473K10
C 1110 (A,47,104)	CKSSYB473K10
C 1111 (A,41,88)	CKSSYB103K16
C 1112 (A,41,104)	CKSRYB105K10
C 1113 (A,40,104)	CKSRYB105K10
C 1114 (A,40,99)	CKSSYB103K16
C 1115 (A,35,83)	CSZSR220M16
C 1201 (A,33,79) 10μF	CCG1138
C 1202 (A,29,78)	CKSRYB104K25
C 1203 (A,21,64)	CSZSR220M16
C 1204 (A,29,68)	CKSRYB104K25
C 1205 (A,16,67)	CKSRYB104K25
C 1206 (A,17,67)	CKSRYB104K25
C 1207 (A,24,64)	CSZSR220M16
C 1208 (A,17,80)	CKSRYB104K25
C 1240 (A,46,81)	CCSSCH470J50
C 1241 (A,45,81)	CCSSCH5R0C50
C 1243 (A,38,73) 10μF	CCG1138
C 1244 (A,54,68)	CKSSYB472K25
C 1245 (A,47,68)	CKSSYB103K16
C 1501 (A,115,69)	CSZSR470M10
C 1502 (A,118,61)	CSZSR101M6R3
C 1503 (A,114,61)	CSZSR101M6R3
C 1504 (A,74,63)	CKSSYB104K10
C 1505 (A,76,63)	CKSSYB104K10
C 1506 (A,79,62)	CKSSYB104K10
C 1507 (A,79,63)	CKSSYB104K10
C 1508 (A,82,63)	CKSSYB104K10
C 1509 (A,85,63)	CKSSYB104K10
C 1510 (A,90,63)	CKSSYB104K10
C 1511 (A,96,63)	CKSSYB104K10
C 1512 (A,102,68)	CKSSYB104K10
C 1513 (A,103,73)	CKSSYB104K10
C 1514 (A,103,78)	CKSSYB104K10
C 1515 (A,103,80)	CKSSYB104K10
C 1516 (A,82,96)	CKSSYB104K10
C 1517 (A,78,96)	CKSSYB104K10
C 1518 (A,76,96)	CKSSYB104K10
C 1519 (A,76,97)	CKSSYB104K10
C 1520 (A,70,91)	CKSSYB104K10
C 1521 (A,70,89)	CKSSYB104K10
C 1522 (A,70,86)	CKSSYB104K10
C 1523 (A,70,85)	CKSSYB104K10
C 1524 (A,70,83)	CKSSYB104K10
C 1525 (A,70,81)	CKSSYB104K10
C 1526 (A,70,78)	CKSSYB104K10
C 1527 (A,70,75)	CKSSYB104K10
C 1528 (A,70,73)	CKSSYB104K10
C 1529 (A,70,71)	CKSSYB104K10
C 1530 (A,70,69)	CKSSYB104K10
C 1531 (A,98,63)	CKSSYB471K50
C 1532 (A,105,67)	CKSSYB103K16
C 1533 (A,105,65)	CKSSYB103K16
C 1552 (A,83,96)	CKSSYB104K10
C 1553 (A,90,102)	CKSRYB104K25
C 1554 (A,87,96)	CKSSYB104K10
C 1555 (A,87,98)	CKSRYB105K10
C 1556 (A,100,101)	CSZSR470M10
C 1557 (A,89,96)	CKSSYB104K10
C 1558 (A,111,98)	CSZS4R7M16
C 1559 (A,84,100)	CKSRYB105K10
C 1570 (B,67,73)	CSZSR470M10
C 1571 (B,76,77)	CKSRYB474K10
C 1572 (B,76,85)	CKSRYB474K10
C 1573 (B,61,80)	CKSRYB474K10
C 1574 (B,61,83)	CKSRYB474K10
C 1575 (B,61,91)	CKSRYB474K10
C 1576 (B,61,94)	CKSRYB474K10

Circuit Symbol and No.			Part No.
C 1577	(B,61,97)		CKSRYB474K10
C 1578	(B,76,98)		CKSRYB474K10
C 1579	(B,76,79)		CKSRYB474K10
C 1580	(B,76,82)		CKSRYB474K10
C 1581	(B,76,92)		CKSRYB474K10
C 1582	(B,76,95)		CKSRYB474K10
C 1583	(B,71,73)		CSZSR470M10
C 1601	(B,110,65)		CSZSR470M10
C 1603	(B,96,51)		CKSSYB104K10
C 1651	(B,121,33)		CSZSR470M10
C 1653	(B,108,20)		CKSSYB104K10
C 1654	(B,98,34)		CKSRYB104K25
C 1655	(B,108,34)		CKSSYB104K10
C 1671	(B,106,48)		CKSSYB104K10
C 1672	(B,110,48)		CKSSYB104K10
C 1673	(B,110,37)		CKSSYB104K10
C 1674	(B,106,37)		CKSSYB104K10
C 1675	(B,98,42)		CKSRYB104K25
C 1676	(B,118,39)		CKSYB106K6R3
C 1701	(A,106,67)		CKSRYB104K25
C 1702	(A,105,69)		CKSRYB104K25
C 1703	(A,90,96)		CKSSYB104K10
C 1704	(A,91,96)		CKSSYB103K16
C 1706	(A,92,96)		CKSSYB104K10
C 1707	(A,96,100)		CKSSYB104K10
C 1708	(A,95,100)		CKSSYB103K16
C 1709	(A,92,98)		CCSRCH221J50
C 1710	(A,97,98)		CKSSYB152K50
C 1711	(A,94,97)		CKSRYB105K10
C 1712	(A,96,97)		CKSRYB105K10
C 1713	(A,97,97)		CKSRYB105K10
C 1715	(A,104,89)		CKSSYB104K10
C 1716	(A,103,88)		CKSSYB104K10
C 1717	(A,104,88)		CKSSYB104K10
C 1718	(A,103,87)		CKSSYB104K10
C 1719	(A,104,87)		CKSSYB562K25
C 1720	(A,103,86)		CCSSCH101J50
C 1721	(A,104,86)		CCSSCH470J50
C 1722	(A,103,85)		CKSSYB103K16
C 1723	(A,104,85)		CKSSYB104K10
C 1724	(A,103,84)		CKSSYB104K10
C 1725	(A,104,84)		CKSSYB104K10
C 1726	(A,103,83)		CCSSCH330J50
C 1727	(A,104,83)		CKSSYB333K16
C 1728	(A,103,82)		CKSSYB104K10
C 1801	(B,31,96)		CKSSYB104K10
C 1802	(B,33,96)		CKSSYB104K10
C 1804	(B,34,87)		CKSSYB104K10
C 1809	(B,32,101)		CCSSCJ3R0C50
C 1810	(B,36,101)		CCSSCK2R0C50
C 1811	(B,35,81)		CKSSYB104K10
C 1851	(B,21,87)		CKSSYB104K10
C 1852	(B,12,85)		CKSSYB104K10
C 1853	(B,10,85)		CKSYB106K6R3
C 1854	(B,23,84)		CKSYB106K6R3
C 1855	(B,21,84)		CKSRYB104K25
C 1856	(B,17,82)		CKSQYB225K10
C 1857	(B,10,80)		CCSRCH471J50
C 1858	(B,10,74)		CCSRCH471J50
C 1859	(B,10,81)		CCSRCH471J50
C 1860	(B,10,76)		CCSRCH471J50
C 1861	(B,17,77)		CKSQYB225K10
C 1862	(B,19,69)		CKSSYB471K50
C 1863	(B,11,71)		CKSSYB471K50
C 1864	(B,17,69)		CKSYB475K10
C 1865	(B,14,69)		CKSYB475K10
C 1881	(B,19,46)		CKSSYB104K10
C 1901	(A,19,46)		CKSRYB474K10
C 1902	(A,29,54)	22µF/6.3V	CCH1300
C 1903	(A,28,48)		CSZSC101M10
C 1910	(B,10,15)		CKSRYB102K50
C 2001	(A,120,30)		CKSYB106K6R3
C 2002	(A,114,48)		CKSRYB105K10
C 2003	(A,112,49)		CKSSYB103K16
C 2004	(A,110,48)		CKSSYB103K16
C 2005	(A,109,54)		CKSQYB475K10
C 2006	(A,103,54)		CKSSYB103K16
C 2007	(A,96,41)		CKSSYB104K10
C 2008	(A,111,29)		CKSSYB104K10
C 2009	(A,120,43)		CKSSYB473K10
C 2010	(A,118,43)		CKSSYB103K16
C 2011	(A,123,47)		CKSRYB105K10
C 2015	(A,120,44)		CKSSYB473K10
C 2016	(A,118,44)		CKSSYB103K16
C 2017	(A,103,55)		CKSSYB103K16
C 2018	(A,98,20)		CKSRYB104K25
C 2020	(A,105,50)		CKSSYB471K50
C 2021	(A,119,48)		CKSRYB104K25
C 2022	(B,122,30)		CKSRYB104K16

F

Unit Number : CWX2986
Unit Name : PCB Assy

MISCELLANEOUS

VR11	(A,8,10)	Semi-fixed 1kΩ(B)	CCP1442
VR12	(A,9,23)	Semi-fixed 1kΩ(B)	CCP1442
R 11	(A,8,15)		RS1/16S562J
R 12	(A,10,15)		RS1/16S472J
R 13	(A,8,18)		RS1/16S562J
R 14	(A,9,6)		RS1/16S562J

Miscellaneous Parts List

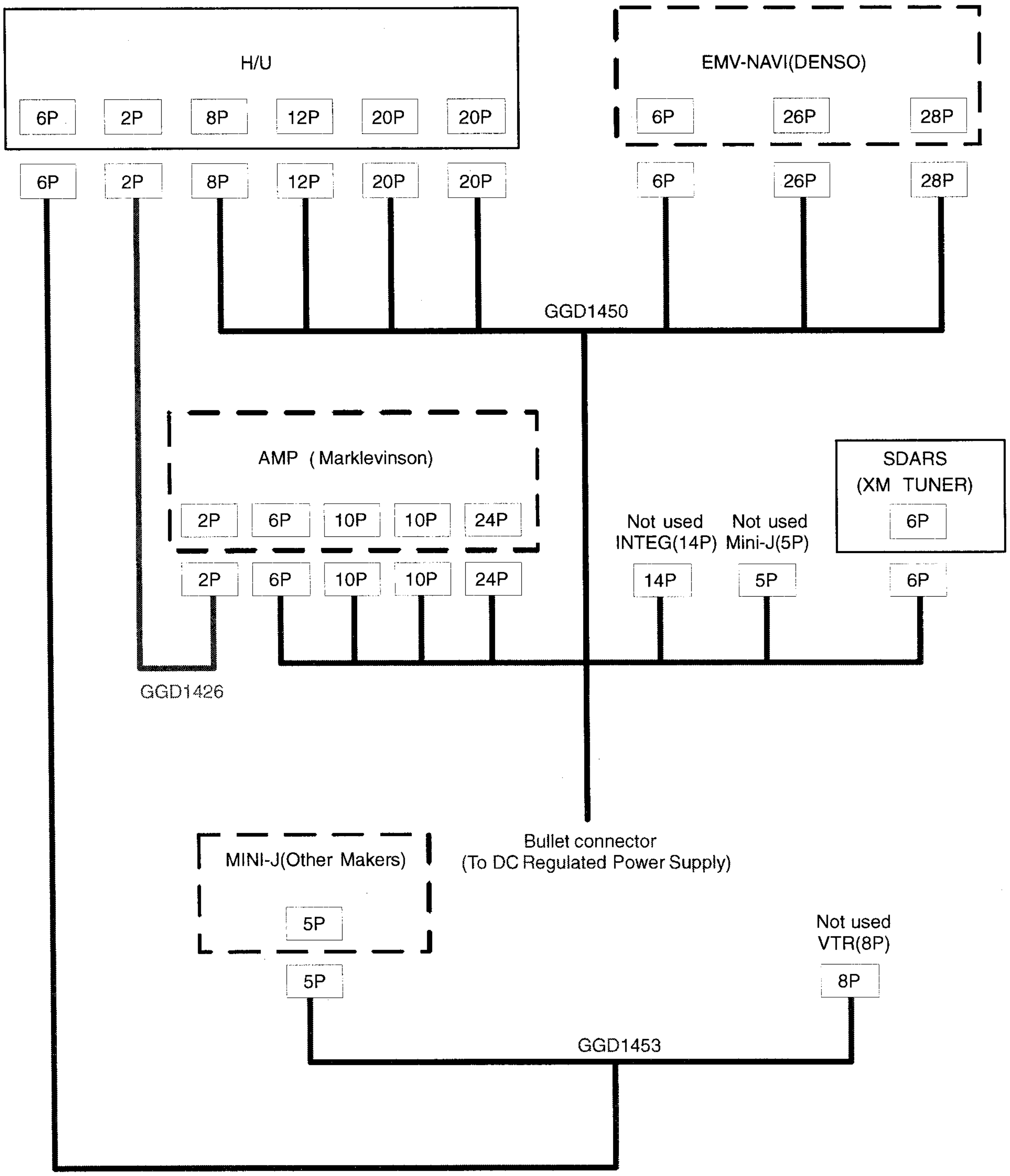
	Stage Assy(Service)	CXX1957
M 1	Cam Motor Assy	CXC4349
M 2	ELV Motor Assy	CXC4350
VR13	Variable Resistor	CCW1029
M 1001	Fan Motor	CXM1336

6. ADJUSTMENT

6.1 JIG CONNECTION DIAGRAM

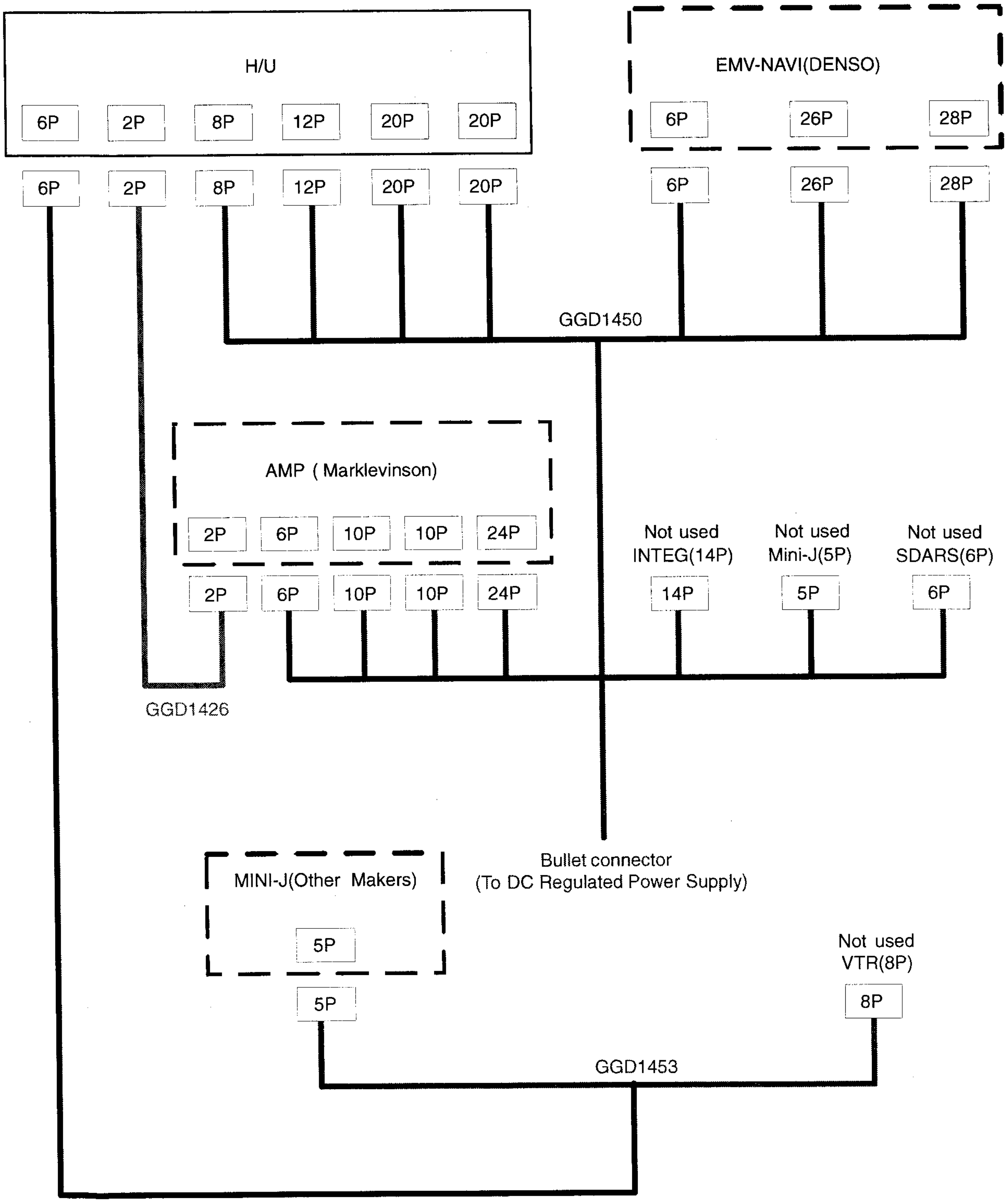
● Connection Diagram

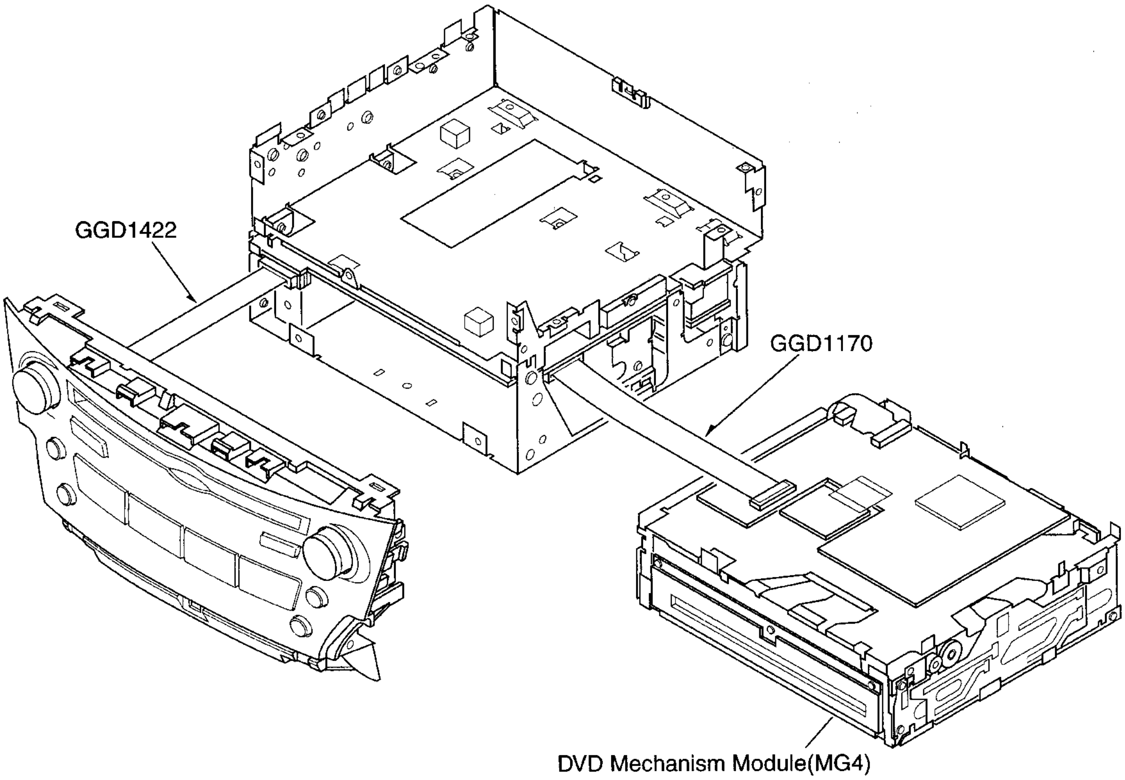
FX-MG9857DVZT/UC


H/U
6P
2P
8P
12P
20P
20P
EMV-NAVI(DENSO)
6P
26P
28P
GGD1450
AMP (Marklevinson)
2P
6P
10P
10P
24P
Not used INTEG(14P)
Not used Mini-J(5P)
SDARS (XM TUNER)
6P
14P
5P
GGD1426
MINI-J(Other Makers)
5P
Bullet connector (To DC Regulated Power Supply)
Not used VTR(8P)
8P
GGD1453

● Connection Diagram

FX-MG9857DVZT/EW(LHD)
FX-MG9757DVZT/EW(RHD)
FX-MG9757DVZT/AU


H/U
6P
2P
8P
12P
20P
20P
EMV-NAVI(DENSO)
6P
26P
28P
6P
2P
8P
12P
20P
20P
6P
26P
28P
GGD1450
AMP (Marklevinson)
2P
6P
10P
10P
24P
2P
6P
10P
10P
24P
Not used INTEG(14P)
Not used Mini-J(5P)
Not used SDARS(6P)
14P
5P
6P
GGD1426
Bullet connector (To DC Regulated Power Supply)
MINI-J(Other Makers)
5P
5P
Not used VTR(8P)
8P
GGD1453


GGD1422
GGD1170
DVD Mechanism Module(MG4)

Note) Do not insert, reject or change discs when the mechanism is placed upside down.

6.2 TEST MODE

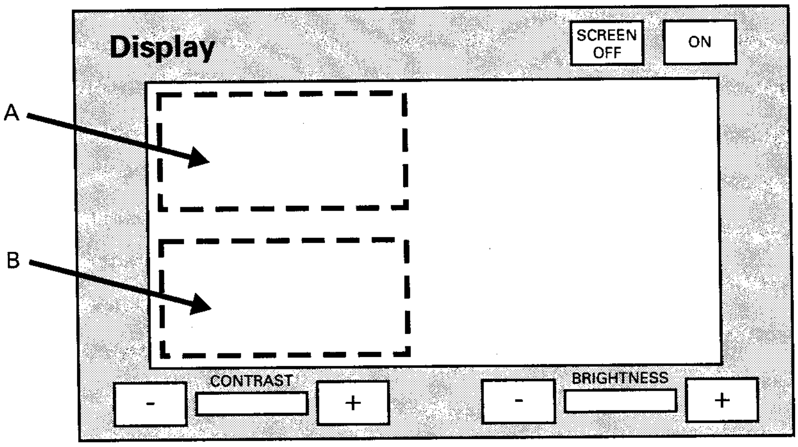
**Note) The test mode is not available on this unit.
To enter the test mode, load the mechanism to other unit designated for test mode and then try the mode by referring to its service manual.**

7. GENERAL INFORMATION

7.1 DIAGNOSIS

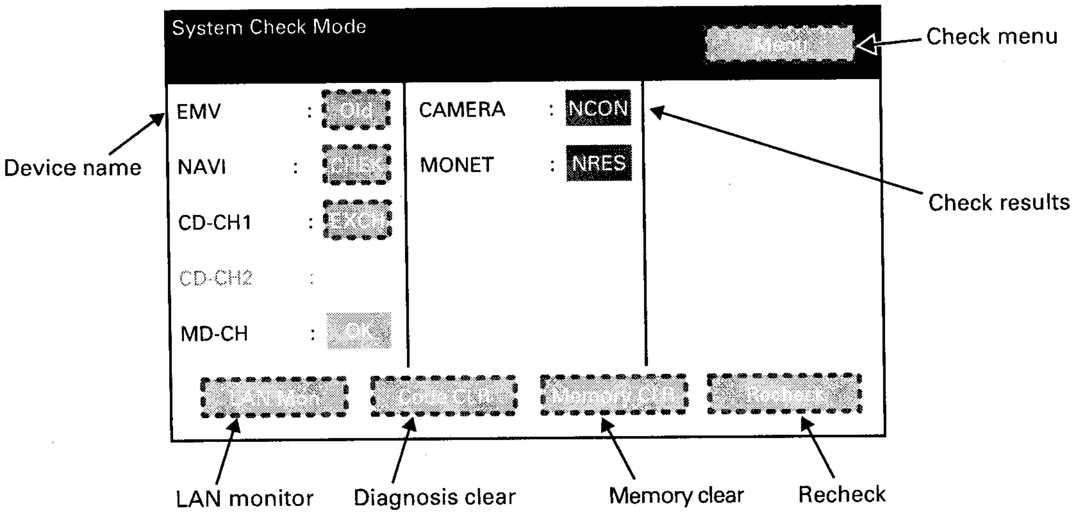
7.1.1 AVC-LAN DIAGNOSIS MODE

1. To Service Check


Display
SCREEN OFF
ON
A
B
CONTRAST
-
+
BRIGHTNESS
-
+

1. Press [OPTION] key of EMV .
2. Press [DISPLAY] key of EMV .
3. The position of A and B is order of pushed 6 times in A,B,A,B,A and B.
   ->Service Check screen is displayed.

2. Service Check


System Check Mode
Menu
Check menu
Device name
Check results
LAN Mon
Code CLR
Memory CLR
Recheck
LAN monitor
Diagnosis clear
Memory clear
Recheck

EMV : Old
NAVI : CHEK
CD-CH1 : EXCH
CD-CH2 :
MD-CH : OK
CAMERA : NCON
MONET : NRES

->As it is, it waits for a while.
(In general less than 1 minute)

Inspection result list

OK	No problem
EXCH	Exchange
CHEK	Check(diagnosis recorded)
NCON	Not connected
NRES	No response
Old	Old version

3. How to exit from the diagnostic test mode

Turn off the ACC.

●Diagnosis mode display

Service check mode

After system check completes, the check results for the devices connected to the AVC-LAN are displayed in turn in order of physical address number as follows:

◆"Physical address"
...The smallest physical address number is displayed first, whose check result will follow it.
Ex. P190
- 190: Physical address number (radio cassette)
- P: The physical address is displayed.

◆"Check result"
...The check result is displayed.

Ex.		
	good	Normal (OK)
	ECHn	Replace
	CHEC	Check
	OLd	Old Version

Replace / Check / Old Version ⇄ Details display mode

◆"Physical address"
...The next physical address number is displayed.

◆"Connecting confirmation no. (current)"
...The AVC-LAN time stamp is displayed.

Ex. no01
- 01: The connecting confirmation number is displayed.
- no: The current connecting confirmation number (expressed in the hexadecimal number system by using 00 to FF)

The number increases by one each time one minute passes. When 256 minutes pass, the indication returns to 00.

Details display mode (only in case of "Replace", "Check", or "Old Version")

This mode is available only when the service check result is "Replace", "Check" or "Old Version".
To select this mode, press the CH2 key.

◆"Physical address (for selected devices)"
The physical address number is displayed, whose check result details will follow it.
Ex. _ P360
- 360: Physical address number (CD-CH)

◆"Diagnosis data source"
The detailed items depend on the data source.

Ex. SyS The data was obtained from system check.

◆"Logical address"
The logical address number for the device with failure is displayed.
Ex. 1L_63
- 63: Logical address number (CD-CH)
- L: The logical address is displayed.
- 1: Serial number

◆"Diagnosis code"
The diagnosis code indicates what problem occurs.
Ex. 1d_45
- 45: Diagnosis code (abnormal EJECT)
- d: The diagnosis code is displayed.

Ex. COdE The data was obtained from diagnosis memory data.

◆"Logical address"...The same as that for the SyS data
◆"Diagnosis code"...The same as that for the SyS data
◆"Sub code"...This code indicates the device with failure.
Ex. 1P_190
- P: The sub code is displayed.

◆"Connecting confirmation number (when some failure occurs)"... AVC-LAN time stamp
Ex. no01
- 01: The connecting confirmation number (expressed in the hexadecimal number system by using 00 to FF)
- no: The connecting confirmation number is displayed.

◆"Frequency of occurrence"
...The frequency of failures occurred
Ex. 1c_15
- 15: The frequency of occurrence expressed in the decimal number system.
- c: The frequency of occurrence is displayed.

If there are two or more diagnosis codes, the diagnosis data display will continue.

Physical address allocation

Display
P①②③
Ex.P190
Physical address

②
③

① 1	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	M.DISP computer	New EMV	New device with AV	New MM ECU	device with AV				Audio ECU (RSA-L)	Audio H/U	DVD-P	Rear TV	Rear Control SW	Multi-CD decoder	CD-CH commander	AMP controlled radio tuner
1																XM radio tuner
2													Europe GW ECU			SIRIUS radio tuner
4					G-BOOK							1-DIN Navigation	Consolidated inside panel	Simple LCD	Consolidated SW	RSA-M
6													Gateway ECU			RSE-M
8			New 1-DIN TV		Europe navigation DISP.M/U		Rear TV with movie mode	Navigation with controls				DISPLAY with SW	FM multiplex DISPLAY	Fr controlled SW	MD-CH commander	
C							RES-L1	MONET ECU			Camera with controls		Steering SW	Navigation remote controller	Body computer	
D							RES-L2	Overseas TEL ECU								
E								Vehicle Information ECU								
1,3,5,7, 9-B,D,F																

① 2	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	Navigation computer	ATIS	VICS	TV tuner	H/W CD-CH	H/W DVD-CH	TEL information ECU		Camera controller							
8				DTV tuner		DVD deck										
1-7, 9-F																

① 3	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	Radio		Cassette	Radio cassette with no CH controller	CD-P		1DIN CD-CH		MD-P		MD-CH		DAT		DCC	
8																TEL ECU
1-7, 9-F																

① 4	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	Equalizer				DSP				H/W AMP							
1-F																

① 5	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	GPS receiver	ATIS decoder	FM multiplex decoder	ETC	CD-CH		MD-CH		CD-ROM -CH		MD-ROM -CH		TEL information			
8			Radio wave beacon										May Day			
C			Optical beacon													
1-7,9-8,D-F																

① 6	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	A/C computer								Body computer							
1-F																

Diagnosis code table

Logical address name	Logical address	Diagnosis code	Diagnosis details
Communi -cation control	01H	00	No diagnosis
		01	Abnormal reset
		10	Abnormal +B
		11	Abnormal ACC
		12	Abnormal MUTE
		13	Fuse broken
		20	Microcomputer - abnormal
		21	ROM - abnormal
		22	RAM - abnormal
		23	Bus - abnormal
		24	F-ROM - abnormal
		25	V-RAM - abnormal
		26	Gate allay abnormal
		27	Paint controller abnormal
		28	Backup memory abnormal
		29	Voice output controller abnormal
		2A	Internal power supply abnormal
		30	Sync signal abnormal (input)
		31	Sync signal abnormal (output)
		D0	ECU not connected
		D1	Transmission abnormal
		D2	Connecting confirmation: abnormal
		D4	Connecting confirmation: no response
		D5	Registered device data missing (History of registered devices)
		D6	Master unavailable
		D7	Connecting confirmation: abnormal
		D8	Connecting confirmation: no response
		D9	Last mode abnormal
		DA	Command/order: no response
		DB	Mode status abnormal
		DC	Transmission fault
		DD	Master reset
		DE	Slave reset
		DF	Master abnormal
		E0	Registration completion acknowledgement error
		E1	Voice processor ON abnormal
		E2	ON/OFF command or parameter abnormal
		E3	Registration command transmission
		E4	Multiple frames intermit.
		FF	Diagnosis - no response

Logical address name	Logical address	Diagnosis code	Diagnosis details
Radio	60H	10	AM tuner PLL unlocked
		11	FM tuner PLL unlocked
		40	No antenna connected
		41	Antenna power supply abnormal
		42	Tuner power supply abnormal
		43	AM tuner abnormal
		44	FM tuner abnormal
		45	SW tuner abnormal
TV tuner	40H	10	TV tuner PLL unlocked
		11	FRONTEND abnormal
		40	TV divergence shifting error
		41	TV – no reception
		42	VNR screen error
		43	No antenna connected
		44	Antenna power supply abnormal
		45	SEL +B current – small
		46	SEL +B current – large
Cassette tape	61H	10	Belt broken
		40	Mechanical failure or cassette broken
		41	EJECT failure
		42	TAPE jamming
		43	Dirty head
		44	Mech power supply abnormal
CD	43H	10	CD Mech abnormal
CD-P	62H	11	CD loading/unloading abnormal
CD-CH	63H	12	CD lead-in abnormal
		40	No disc loaded
		41	Incorrect disc
		42	Disc unreadable
		43	CD-ROM abnormal
		44	CD abnormal
		45	EJECT abnormal
		46	Scratches or non-recorded side
		47	CD high temperature detected
		48	Excessive current detected
		50	Tray IN/OUT abnormal
		51	Elevator abnormal
		52	Clamp abnormal
MD	64H	10	MD mech abnormal
MD-CH	65H	11	MD IN/OUT abnormal
		12	MD lead-in abnormal
		40	No disc loaded
		41	Incorrect disc
		42	Disc unreadable
		43	MD-ROM abnormal
		44	MD abnormal
		45	EJECT error
		46	Scratches or non-recorded side
		47	MD high temperature detected
		48	Excessive current detected
		50	Tray IN/OUT abnormal
		51	Elevator abnormal
		52	Clamp abnormal

Logical address name	Logical address	Diagnosis code	Diagnosis details
Navigation /GPS	58H	10	Gyroscope abnormal
	80H	11	GPS receiver abnormal
		12	RTC abnormal
		13	SS section abnormal
		14	No Time updating
		15	TCXO abnormal
		16	PLL lock abnormal
		40	GPS antenna abnormal
		41	GPS antenna power supply abnormal
		42	Map disc reading abnormal
		43	SPD signal abnormal
		44	Player abnormal
		45	High temperature abnormal
FM multiplex (VICS), radio wave beacon, beacon, optical beacon, FM multiplex (data), and FM multiplex tuner	5AH	41	Antenna power supply abnormal
	84H	45	Radio wave beacon - no antenna connected
	5BH	46	Optical beacon - no antenna connected
	83H	47	No FM antenna connected
	82H	4A	FM receiver abnormal
	9AH	4B	Radio wave beacon abnormal
		4C	Optical beacon abnormal
Voice control	85H	40	Voice-control activation SW abnormal
		41	Voice-control Microphone abnormal
Extended communi -cation	02H	40	Multi-CD-CH (optical cable) abnormal
		41	Multi-CD-CH (optical cable) not connected
		42	Multi-CD-CH (CarNet) abnormal
		43	Multi-CD-CH (CarNet) not connected
		50	HIT64 communication not connected
		51	HIT64 communication abnormal
		52	HIT64 BRQ disconnection
		53	HIT64 BRQ short-circuit
		54	HIT64 disconnection
		55	CarNet communication not connected
		56	CarNet communication abnormal
		57	CarNet periodical communication abnormal
Information display/front monitors	32H	10	Video circuit abnormal
	34H	11	Back light abnormal (with no current)
		12	Back light abnormal (with excessive current)
		13	Panel open/close mechanical operation abnormal
		40	Front seat monitor abnormal
		41	Heater abnormal
SW, Audio SW, SW shifting, Command SW	21H	10	Panel SW abnormal
	23H	11	Touch SW failure
	24H		
	25H		
XM tuner	C0H	11	PLL Unlock
		12	CODEC Communication Error
		13	SSDEC Communication Error
		14	SSDEC No Response Error
		15	NVM Error
		16	CAP Error
		40	ANTENNA No Contact
		41	ANTENNA Short

Diagnosis code table

Logical address name	Logical address	Diagnosis code	Diagnosis details
XM	C0H	11	PLL unlocked
		12	CDEC communication error
		13	SSDEC communication error
		14	SSDEC no response
		15	NVM error
		16	CAP error
		40	No antenna connected
		41	Antenna short-circuited
DVD-CH	45H	42	Disc unreadable
		44	DVD abnormal
		45	EJECT abnormal
		46	Scratches or non-recorded side
		47	DVD high temperature detected
		48	Excessive current detected
		50	Tray IN/OUT abnormal
		51	Elevator abnormal

7.1.2 DISASSEMBLY

● Removing the Case (not shown)

1. Remove the four screws and then remove the Case.

● Removing the Panel Assy (Fig.1)

1 Remove the four screws and then remove the Panel Assy.

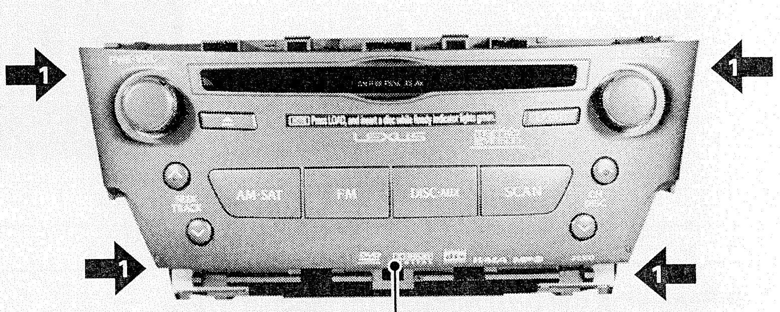

1
1
1
1
Panel Assy

Fig.1

● Removing the Frame Unit (Fig.2)

1 Remove the five screws and then remove the Frame Unit.

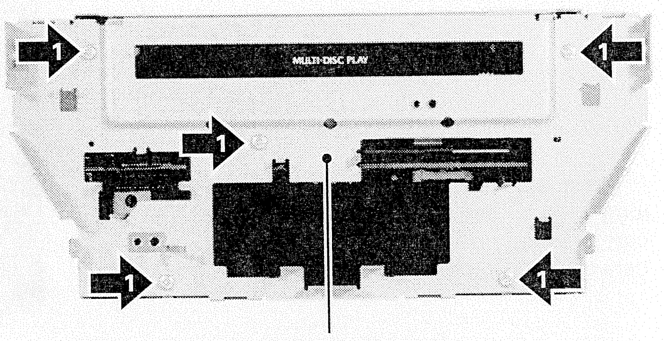

1
1
1
1
1
Frame Unit

Fig.2

● Removing the Holder (Fig.3)

1 Remove the six screws and then remove the Holder.

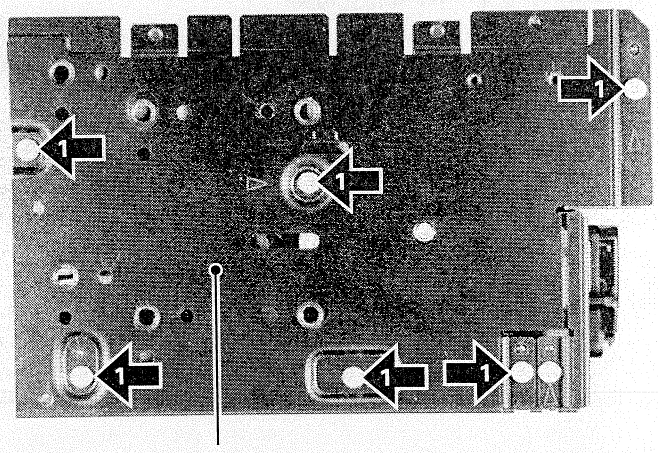

1
1
1
1
1
1
Holder

Fig.3

● Removing the Holder (Fig.4)

1 Remove the screw and then remove the Holder.

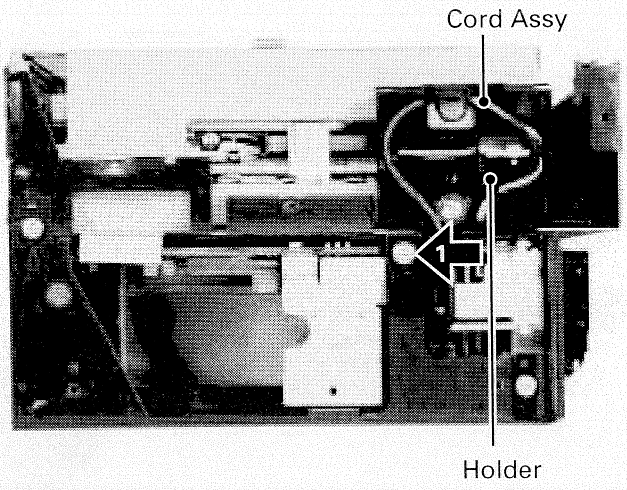


Fig.4

● Removing the DVD Mechanism Module (Fig.5)

1 Remove the four screws.

Disconnect the connector and then remove the DVD Mechanism Module.

NOTE:
Take care not to engage code when wire-processing the digital connecting code of DVD mechanism during assembly.

(* For service use, this specification has a long code for detachable MG4-mechanism part enabling resin parts wire-processed between the Holder.)

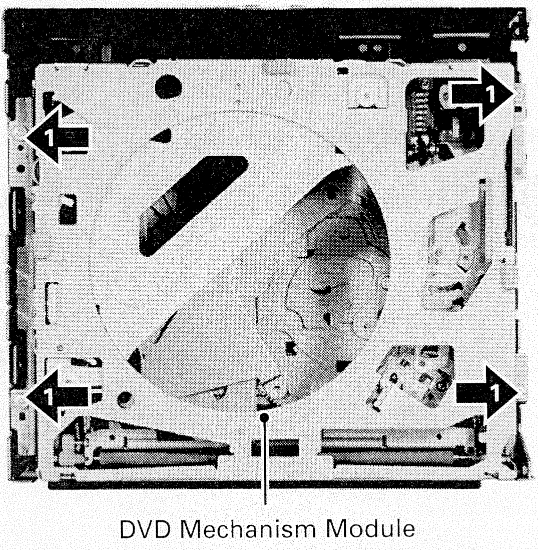


Fig.5

● Removing the Holder (Fig.6)

1 Remove the four screws and then remove the Holder.

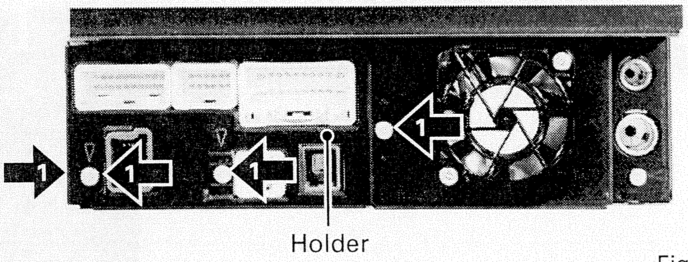
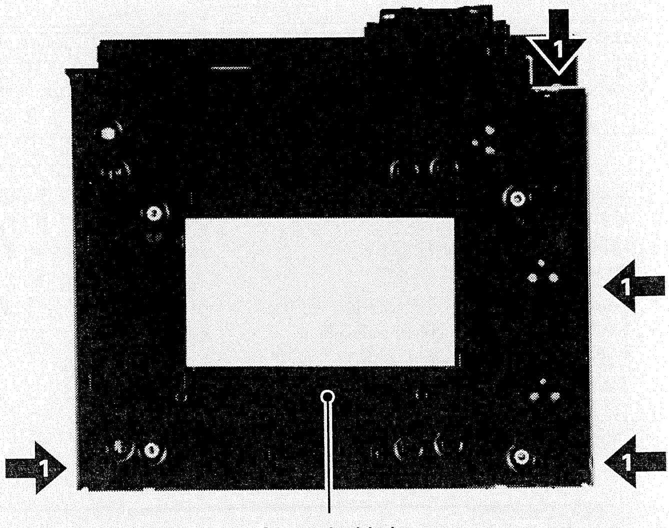


Fig.6

● Removing the Chassis Unit (Fig.7)

1 Remove the four screws and then remove the Chassis Unit.



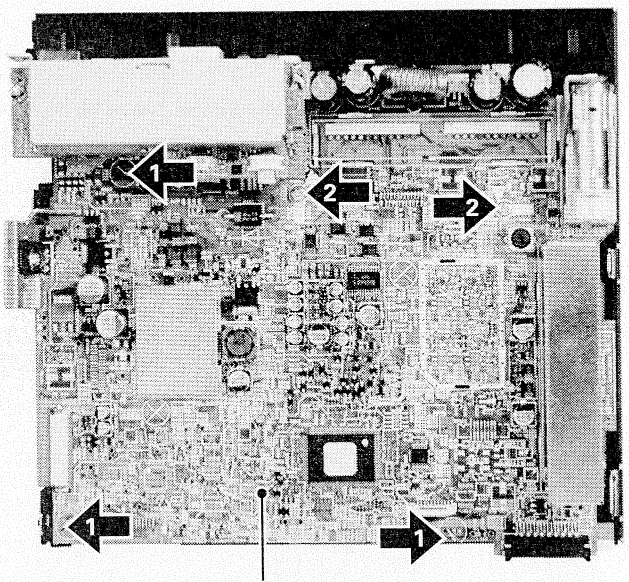
Chassis Unit

Fig.7

● Removing the Main Unit (Fig.8)

1 Straighten the tabs at three locations indicated.

2 Remove the two screws and then remove the Main Unit.

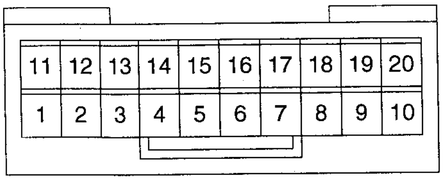


Main Unit

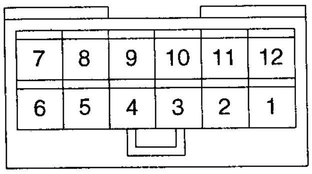
Fig.8

* Please refer to Mechanism Manual (CRT3495) for removing module part of DVD mechanism.
Three GGF1538 are necessary to build up MG4 mechanism.

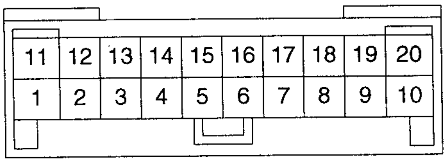
7.1.3 CONNECTOR FUNCTION DESCRIPTION


11 12 13 14 15 16 17 18 19 20
1 2 3 4 5 6 7 8 9 10

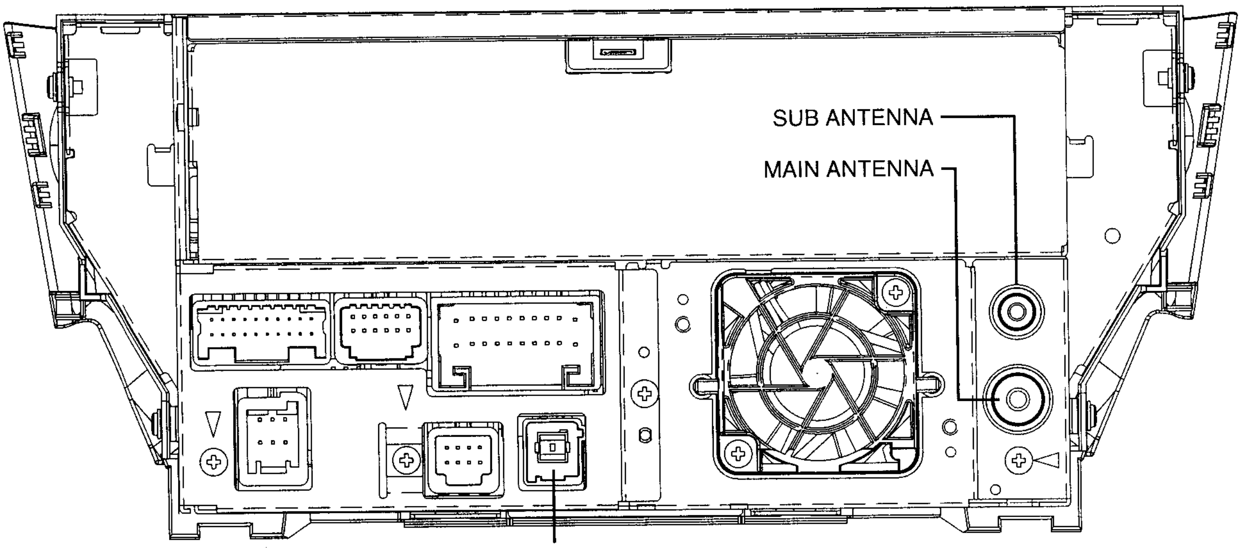
1 : I02+
2 : I02-
3 : MTOR
4 : CMP+(EW)
5 : CMP-(EW)
6 : SWG
7 : SW1
8 : SW2
9 : TX+
10 : TX-
11 : I01+
12 : I01-
13 : SLD1
14 : RSLD
15 : R-R+/ARI
16 : R-R-/ASGN
17 : R-L+/ALI
18 : R-L-
19 : RMUT/AUXI
20 : ADIM

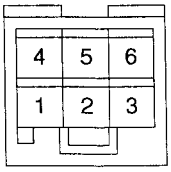

7 8 9 10 11 12
6 5 4 3 2 1

1 : MUTE
2 : CDL-
3 : CDL+
4 : CDR-
5 : CDR+
6 : CSLD
7 : GND
8 : NC
9 : TXM+
10 : TXM-
11 : ACC
12 : +B

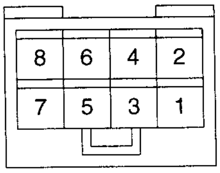

11 12 13 14 15 16 17 18 19 20
1 2 3 4 5 6 7 8 9 10

1 : B
2 : ILL+
3 : AMP
4 : ANTA
5 : ATX+
6 : IVI+
7 : MUTE
8 : R+
9 : L+
10 : SLD
11 : ACC
12 : ILL-
13 : ANT
14 : ANTB
15 : ATX-
16 : IVI-
17 : SLD2
18 : R-
19 : L-
20 : GND


SUB ANTENNA
MAIN ANTENNA
D OUT



1 : VV+
2 : VAR+
3 : VAL+
4 : VV-
5 : VA-
6 : ADPG

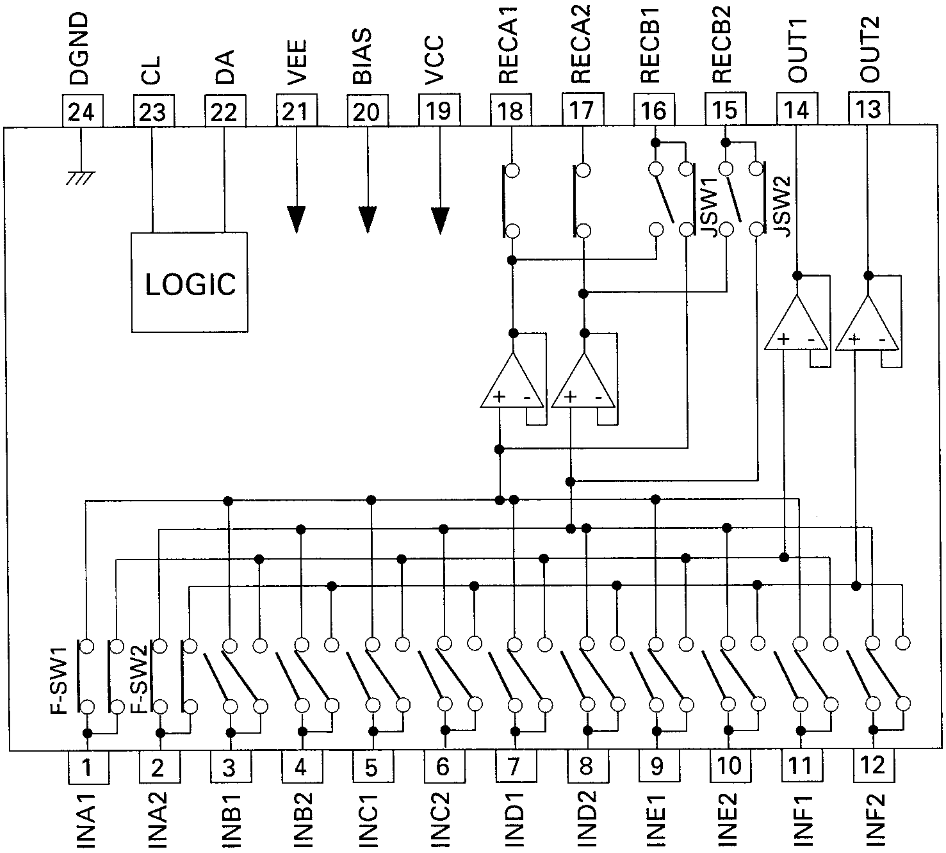


1 : NTS2
2 : GND2
3 : SLD
4 : SLD1
5 : GND
6 : GND1
7 : NTSC
8 : NTS1

7.2 IC

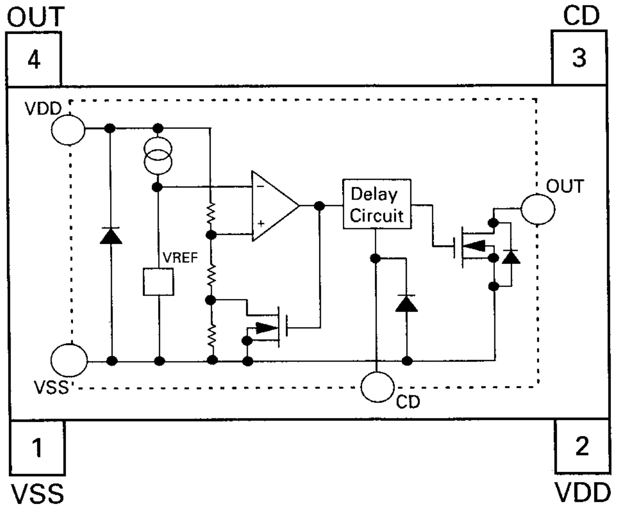
BD3842FS
S-80940CNNB-G9A
PEG103C
PEG093C
TPS54350PWP
S-812C39AMC-C2T
TC7SET08FUS1
MN35103UB
PE5443A
LC75700TS
TC74VHC08FTS1
PE5443A
PD6496A
TC7SH86FUS1
TC74VHC541FTS1
BR93L56RFVM-W

* BD3842FS


DGND
CL
DA
VEE
BIAS
VCC
RECA1
RECA2
RECB1
RECB2
OUT1
OUT2
24
23
22
21
20
19
18
17
16
15
14
13
LOGIC
JSW1
JSW2
+
-
F-SW1
F-SW2
1
2
3
4
5
6
7
8
9
10
11
12
INA1
INA2
INB1
INB2
INC1
INC2
IND1
IND2
INE1
INE2
INF1
INF2

* S-80940CNNB-G9A

IC's marked by * are MOS type.
Be careful in handling them because they are very liable to be damaged by electrostatic induction.

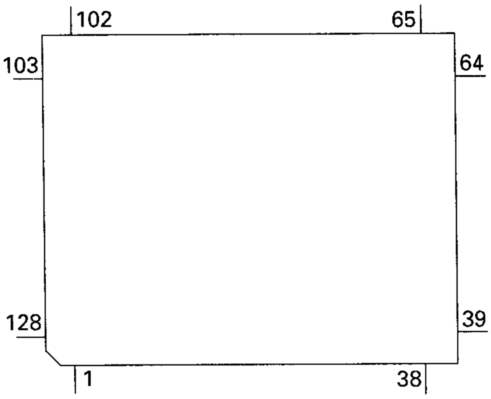

OUT
4
CD
3
VDD
OUT
-
+
Delay Circuit
VREF
VSS
CD
1
VSS
2
VDD

● Pin Functions(PEG103C:UC, AU PEG093C:EW)

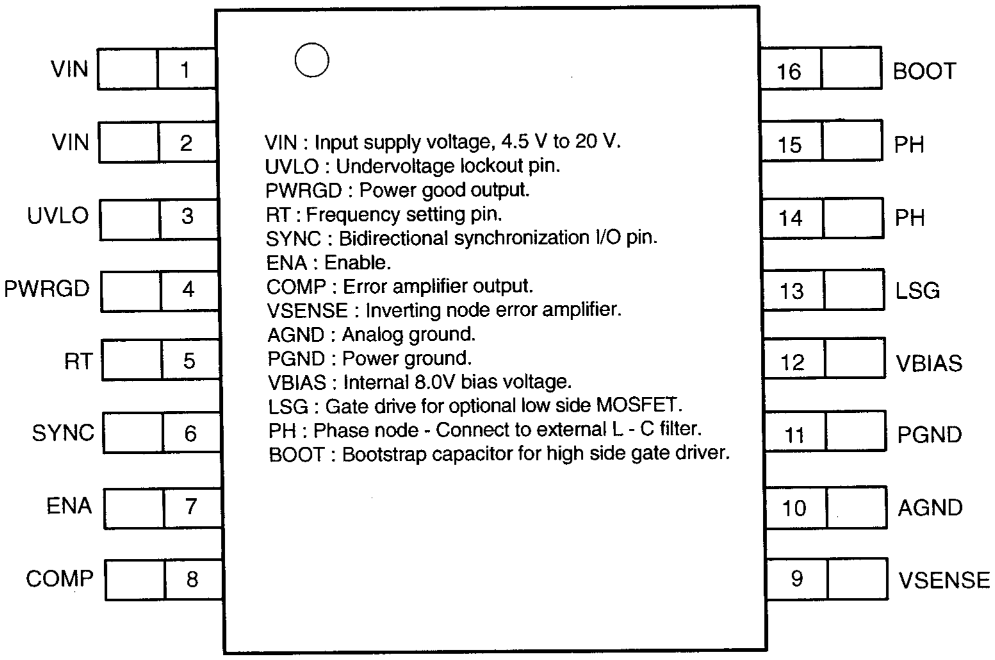
Pin No.	Pin Name	I/O	Function and Operation
1	VREF	I	A/D reference voltage input
2	AVCC		AVCC
3	PDI	I	PLL : Data input
4	PDO	O	PLL : Data output
5	$\overline{\text{PCK}}$	O	PLL : Data clock output
6	$\overline{\text{PCE2}}$	O	EEPROM : Chip enable output
7	PCE1	O	PLL : Chip enable output
8	LDTO	O	LCD Driver : Data output
9	LDTI	I	LCD Driver : Data input
10	LCK	O	LCD Driver : Clock output
11	ENC1P	I	Rotaly Encoder 1+ : input
12	ENC1M	I	Rotaly Encoder 1- : input
13	BYTE		GND
14	CNVSS		GND
15	ENC2P	I	Rotaly Encoder 2+ : input
16	ENC2M	I	Rotaly Encoder 2- : input
17	$\overline{\text{RESET}}$	I	Reset input
18	XOUT	O	Crystal oscillating element connection output
19	VSS		GND
20	XIN	I	Crystal oscillating element connection input
21	VCC		Power supply
22	$\overline{\text{NMI}}$		VDD connection
23-25	NC		Not used
26	RX2	I	AVC-LAN : Data input
27	IPPW	O	AVC-LAN : Power supply control output
28	$\overline{\text{LRST}}$	O	LCD Driver : Reset output
29	PWRBL	O	Backlight control output
30	LCE	O	LCD Driver : Chip enable output
31	PWMILL	O	Illumination control output
32	$\overline{\text{BSRQ}}$	I	P-BUS : Request input
33	$\overline{\text{BRST}}$	O	P-BUS : Reset output
34	RX1	I	AVC-LAN : Data input
35	TX	O	AVC-LAN : Data output
36	BSO	O	P-BUS : Data output
37	VCC		Power supply
38	NC		Not used
39	VSS		GND
40,41	NC		Not used
42	UTX	O	UART : Data output
43	URX	I	UART : Data input
44	NC		Not used
45	IRQPW	I	UART : Request signal input
46-48	NC		Not used
49	TEST	I	Test mode program input
50-61	NC		Not used
62	MAINFIX	I	Antenna control input
63	PINFO	I	Panel type detect input
64	NC		Not used
65	ANTA	O	ANT A control output
66	ANTB	O	ANT B control output
67	AMPW	O	TUNER : AM power supply control output
68	FMPW	O	TUNER : FM power supply control output
69	ACCON	O	BSENS power supply control output
70-73	NC		Not used
74	DOT		Connect to GND
75	NC		Not used
76	FRMUTE	O	SPOUT mute output
77	REMUTE	O	RSEOUT mute output
78	RSEMUTE	O	RSE unit mute output
79	LANMUTE	O	AVC-LAN mute output
80	ADIM	I	ADIM data input
81	SYSPW	O	System power supply control output

Pin No.	Pin Name	I/O	Function and Operation
82	SWVDD	O	SWVDD control output
83	WC	I/O	Test mode input / Tuner write control output
84	REGION	O	REGION set output
85	VCC		Power supply
86	DDCONF2	O	DD control frequency select output
87	VSS		GND
88	SELDATA	O	Audio selector control output
89	SELCK	O	Audio selector clock output
90	VSEL	O	Front monitor source select control output
91	VSEL1	O	Rear monitor source select control output 1
92	VSEL2	O	Rear monitor source select control output 2
93	VMUTE1	O	Front monitor mute output
94	VMUTE2	O	Rear monitor mute output
95	$\overline{\text{ISEN}}$	I	Illumination sense input
96	NC		Not used
97	$\overline{\text{ASEN}}$	I	ACC power sense input
98	$\overline{\text{BSEN}}$	I	Back up power sense input
99-101	NC		Not used
102	MOTANT	I	Motor antenna detect input
103-119	NC		Not used
120	AUXIN	I	Mini Jack sense input
121	STSW1	I	Steering switch 1 input
122	STSW2	I	Steering switch 2 input
123	ILL-	I	Illumination minus input
124	AREA	I	Area distinguish input
125	2NDL/R	I	Model type detect input
126	NC		Not used
127	AVSS		Analog power GND
128	SL	I	TUNER : Signal level input

* PEG103C:UC, AU PEG093C:EW

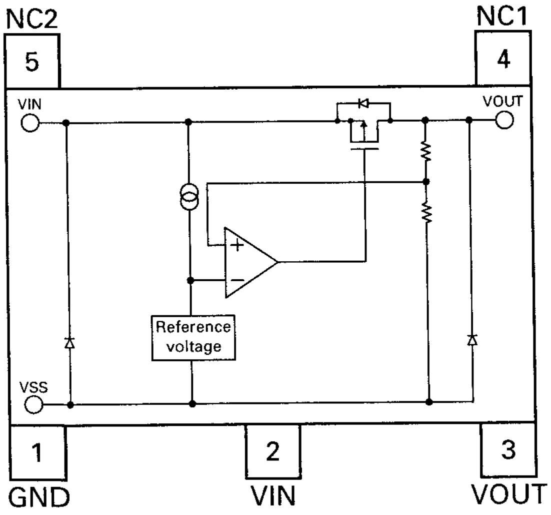


TPS54350PWP

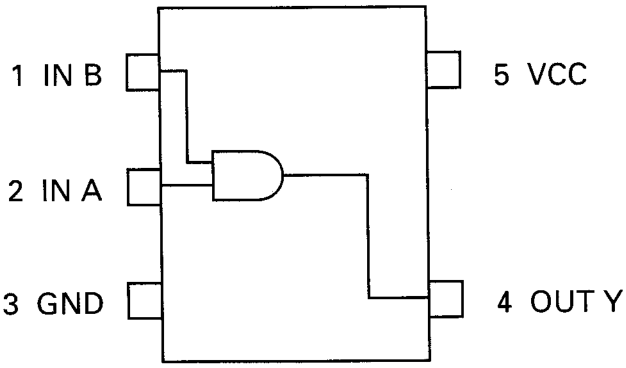

VIN 1
VIN 2
UVLO 3
PWRGD 4
RT 5
SYNC 6
ENA 7
COMP 8
16 BOOT
15 PH
14 PH
13 LSG
12 VBIAS
11 PGND
10 AGND
9 VSENSE

VIN : Input supply voltage, 4.5 V to 20 V.
UVLO : Undervoltage lockout pin.
PWRGD : Power good output.
RT : Frequency setting pin.
SYNC : Bidirectional synchronization I/O pin.
ENA : Enable.
COMP : Error amplifier output.
VSENSE : Inverting node error amplifier.
AGND : Analog ground.
PGND : Power ground.
VBIAS : Internal 8.0V bias voltage.
LSG : Gate drive for optional low side MOSFET.
PH : Phase node - Connect to external L - C filter.
BOOT : Bootstrap capacitor for high side gate driver.

* S-812C39AMC-C2T


NC2
5
NC1
4
VIN
VOUT
+
−
Reference voltage
VSS
1
GND
2
VIN
3
VOUT

* TC7SET08FUS1


1 IN B
2 IN A
3 GND
5 VCC
4 OUT Y

● Pin Functions(MN35103UB)

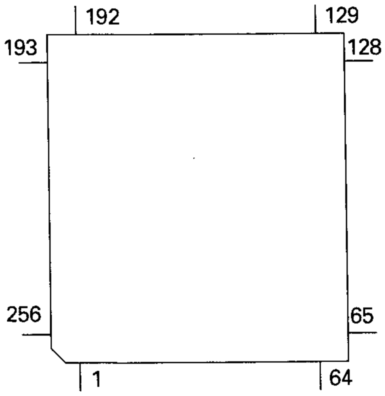
Pin No.	Pin Name	I/O	Function and Operation
1	VDD33		IO power supply
2,3	MDQ	I / O	SDRAM data
4	VSS		GND
5,6	MDQ	I / O	SDRAM data
7	VDD33		IO power supply
8-10	MDQ	I / O	SDRAM data
11	VSS		GND
12,13	MDQ	I / O	SDRAM data
14	VDD33		IO power supply
15	VDD15		Power supply
16	VSS		GND
17	EXADR	I / O	Memory address
18	NEXWE	O	Memory write enable
19-22	EXADT	I / O	Memory address data
23	VDD33		IO power supply
24	VSS		GND
25,26	EXADR	I / O	Memory address
27,28	EXADT	I / O	Memory address data
29	VDD33		IO power supply
30	VSS		GND
31,32	EXADT	I / O	Memory address data
33	NEXCE	O	Memory chip select
34-37	EXADT	I / O	Memory address data
38,39	EXADR	I / O	Memory address
40,41	EXADT	I / O	Memory address data
42	VDD33		IO power supply
43	VSS		GND
44,45	EXADT	I / O	Memory address data
46	NEXOE	O	Memory output(Read) enable
47	P15	I / O	Memory address bus
48	P14	I / O	The flag of transmitting end
49	P13	I / O	The flag of transmitting start
50	P12	I / O	Serial clock
51	P11	I / O	Serial output data
52	P10	I / O	Serial input data
53	P9	I / O	Serial clock
54	P8	I / O	Serial output data
55	P7	I / O	Serial input data
56	VDD33		IO power supply
57	MMOD	I	Test mode setting
58	VSS		GND
59	P6	I / O	Serial clock
60	P5	I / O	Serial output data
61	P4	I / O	Serial input data
62	P3	I / O	Serial clock
63	P2	I / O	Serial output data
64	P1	I / O	Serial input data
65	P0	I / O	Serial clock
66	FG	I	Motor FG
67	VDD15		Power supply
68	NRST	I	Master reset
69	VSS		GND
70-77	DRV	I / O	Servo port
78	DRV8		Servo port
79	VDD33		IO power supply
80	VSS	I / O	GND
81	SCLOCK	I / O	Input clock for debug
82	EXTRG	I / O	I/O trigger for debug
83	SDATA	I / O	I/O data for debug

Pin No.	Pin Name	I/O	Function and Operation
84	EXTRG1	I / O	I/O trigger for debug
85	TRCCLK	I / O	Output trace clock for debug
86-89	TRCDATA	I / O	I/O trace data for debug
90	TRCST	I / O	Output trace status for debug
91	VDD33		Power supply
92	OSCI	I	Front end clock input
93	VSS		GND
94-97	MONI	I / O	Inside monitor
98	VDD15		Power supply
99	VSS		GND
100-103	MONI	I / O	Inside monitor
104	AVDDD	O	Power supply
105	PLFIL1		DRC VCO
106	AVSSD	O	GND
107	PLFIL2	O	DRC VCO
108-110	VREF	I	Reference voltage
111	VC0	I	gm-cEQ
112	RESI	O	gm-cEQ
113	ANAMONI	O	Inside analog monitor
114	POFLT	O	DPDOFTR
115	CDATA		Inline data
116	CCAPA	O	Inline capacitor
117	CGD	O	Reference voltage
118	AVDDC		Analog current
119	AVSSC	I	Analog GND
120	RFINN	I	RF input
121	RFINP	I	RF input
122-131	VIN	I	Head input
132	LPC1	O	DVDLPC input
133	LPCO1	I	DVDLPC output
134	LPC2	O	CDLPC input
135	LPCO2	O	CDLPC output
136	VREFH	O	Reference voltage
137	VHALF		Reference voltage
138	AVSSB	O	Analog GND
139	CTKC	I	TC
140	CSLFLT	O	Capasitor
141	CWBLOUT	I	DC cut for wobble
142	CWBLIN		DC cut for wobble
143	VCOF	I	JFVCO control voltage
144	RVI		VREFH reference current
145	AVDDB	I	Analog current
146-148	AD	I	AD input
149	AVDDA		Analog current
150	DAC1	O	Tracking drive output
151	AVSSA		Analog GND
152	DAC0	O	Focus drive output
153	AVDDE		Analog current
154	IREF1	I	Inside DAC bias current
155	AVSSE		Analog GND
156	COMP1	I	Inside DAC
157	AVDDF		Analog current
158	DAC1OUT	O	Analog signal
159	AVSSF		Analog GND
160	DAC2OUT	O	Analog signal
161	DAC3OUT	O	Analog signal
162	VREF	I	Reference voltage
163	DAC4OUT	O	Analog signal
164	DAC5OUT	O	Analog signal

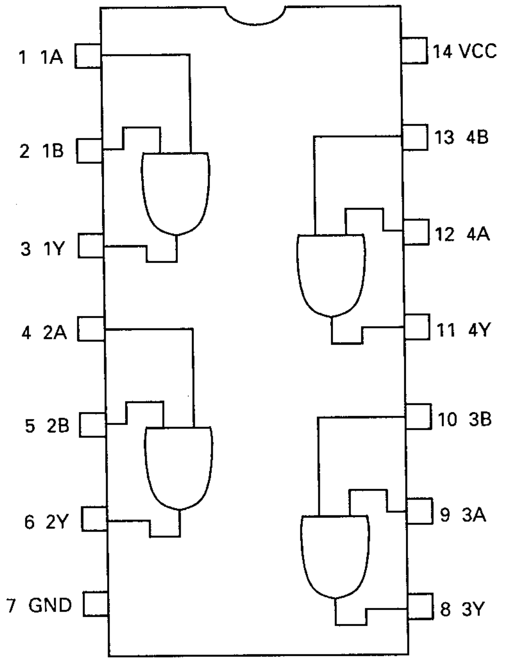
Pin No.	Pin Name	I/O	Function and Operation
165	AVDDG	I	Analog power suplly
166	IREF2		Inside DAC bias current
167	AVSSG	I	Analog GND
168	COMP2		Inside DAC
169	VSS	I	GND
170	BECLK		Backend clock input
171	VDD33	I	IO power supply
172	EXTCK		Exterior audio clock
173	PHCOMPO		Composite audio clock
174	LRCK	O	LR chanel clock output
175	SRCK	O	Bit clock output
176	ADOUT3	O	Audio down mixing
177	VSS	O	GND
178-180	ADOUT	O	Audio data
181	IECOUT	O	IEC958 digital audio output
182	VDD33		IO power supply
183	VSS		GND
184,185	MDQ	I / O	SDRAM data
186	VDD15		Power supply
187,188	MDQ	I / O	SDRAM data
189	VDD33		IO power supply
190-193	MDQ	I / O	SDRAM data
194	VSS		GND
195	VDD33		IO power supply
196,197	MDQ	I / O	SDRAM data
198	VSS		GND
199-201	MDQ	I / O	SDRAM data
202	VDD33		GND
203-205	MDQ	I / O	SDRAM data
206	VSS		GND
207,208	DQM	O	SDRAM data mask
209	VDD33		Power supply
210	MA	O	SDRAM address
211	VSS		GND
212	MA4	O	SDRAM address
213	VDD15		Power supply
214	MA2	O	SDRAM address
215	VSS		GND
216,217	MA	O	SDRAM address
218	VDD33		Power supply
219,220	MA	O	SDRAM address
221	VSS		GND
222	VDD15		Power supply
223	MCKI	I	SDRAM output clock
224	VSS		GND
225	MCK	O	SDRAM input clock
226	VDD33		IO power supply
227-229	MA	O	SDRAM address
230	VSS		GND
231	MA	O	SDRAM address
232	NWE	O	SDRAM writte enable
233	VDD33		IO power supply
234	BA0	O	SDRAM bank address
235	MA	O	SDRAM address
236	VSS		GND
237	BA1	O	SDRAM bank address
238	NCSM	O	SDRAM chip select
239	NRAS	O	SDRAM low address strobe
240	VDD33		IO power supply

Pin No.	Pin Name	I/O	Function and Operation
241	VSS		GND
242	NCAS	O	SDRAM column address strobe
243	DQM0	O	SDRAM data mask
244	VDD15		Power supply
245	VSS		GND
246	DQM	O	SDRAM data mask
247	MDQ	I / O	SDRAM data
248	VSS		GND
249	MDQ	I / O	SDRAM data
250	VDD33		IO power supply
251-253	MDQ	I / O	SDRAM data
254	VSS		GND
255,256	MDQ	I / O	SDRAM data

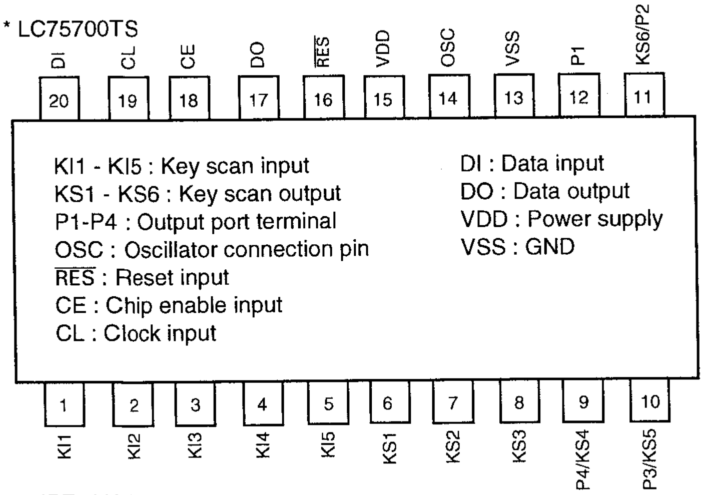
*MN35103UB


192
129
193
128
256
65
1
64

* TC74VHC08FTS1

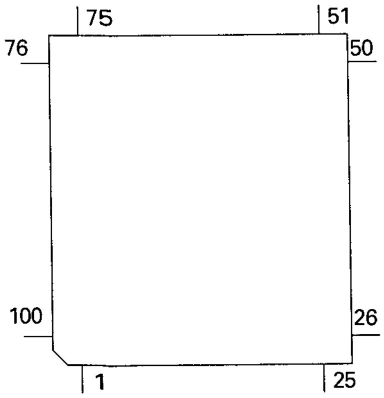

1 1A
2 1B
3 1Y
4 2A
5 2B
6 2Y
7 GND
14 VCC
13 4B
12 4A
11 4Y
10 3B
9 3A
8 3Y

* LC75700TS


DI
CL
CE
DO
RES
VDD
OSC
VSS
P1
KS6/P2
20
19
18
17
16
15
14
13
12
11
1
2
3
4
5
6
7
8
9
10
KI1
KI2
KI3
KI4
KI5
KS1
KS2
KS3
P4/KS4
P3/KS5

KI1 - KI5 : Key scan input
KS1 - KS6 : Key scan output
P1-P4 : Output port terminal
OSC : Oscillator connection pin
$\overline{\text{RES}}$: Reset input
CE : Chip enable input
CL : Clock input
DI : Data input
DO : Data output
VDD : Power supply
VSS : GND

*PE5443A

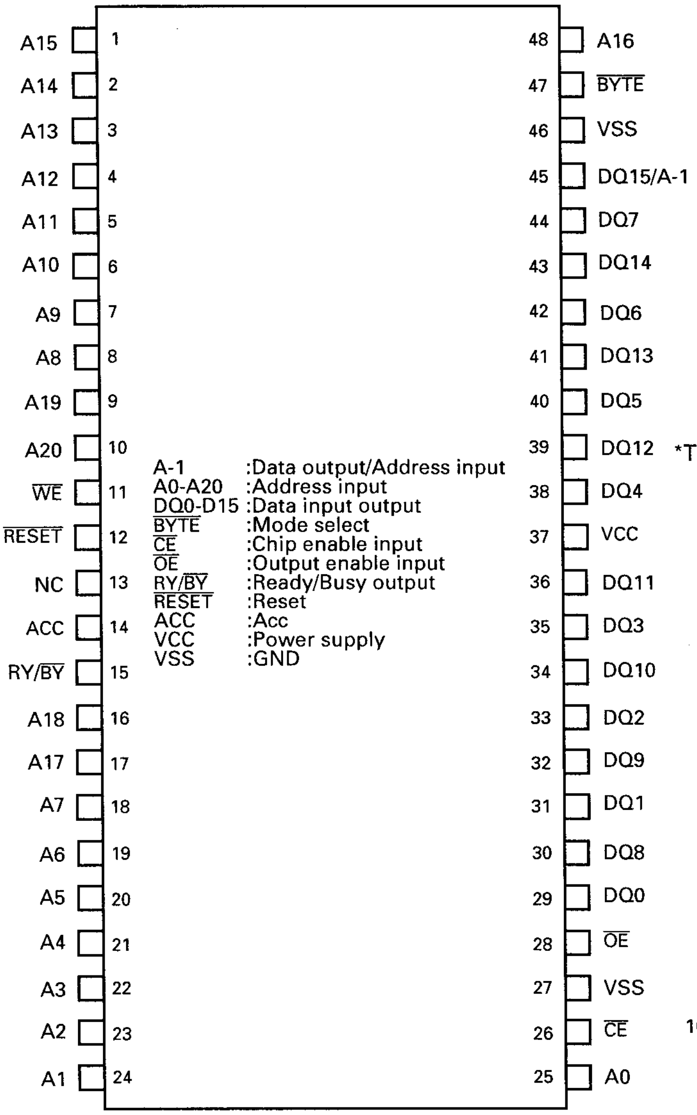

75
51
76
50
100
26
1
25

● Pin Functions(PE5443A)

Pin No.	Pin Name	I/O	Format	Function and Operation
1	AVREF0	O		A/D converter reference voltage
2	AVSS			A power supply GND
3	SD	O		CRG drive output(controlled by claw)
4	NC			(Cannot used exept D/A)
5	AVREF1		C	Not used
6	CAMVOL	O	C	Switching CAM motor driver output voltage
7	E/LVOL1	O		Switching 1 ELV/LOAD motor driver output
8	VPP/IC			IC: Connected to VSS directry/ VPP:Pull-down
9	VDD			Positive power supply (5 V) pin
10	REGC			Connected to the capacity stabilizing output of the regulator (4.7μF electric capacitor)
11	VSS			GND
12	X1			Connected to the oscillator for main-clock
13	X2			Connected to the oscillator for main-clock
14	/RESET	I		Mechanism microcomputer reset signal
15	XT1	I		Connected to the oscillator for sub-clock (connected to VSS via the resistor)
16	XT2			Connected to the oscillator for sub-clock (Open)
17	PULLDOWN	I		Connected to EVDD or EVSS via the resistor
18	/BRST	O		(Reserve: P-BUS reset)
19	/CDSTBY	O		(Reserve: IIC-BUS reset)
20	IRQPWR			Interruption to the reduced voltage
21	WAKEUP			Interruption to rise up the detection of DVD/CD DISC insert
22	BSI	I		(Reserve: P-BUS serial-data input)
23	BSO	O		(Reserve: P-BUS serial-data output)
24	BSCK	I/O	C	(Reserve: P-BUS serial-data input/output
25	TXDO	O		HOST(PC) UART data output/for flash rewriting (transmitted signal)
26	RXDO	I	C	HOST(PC) UART data input/for flash rewriting (received signal)
27	(BRXEN)	O	C	(Reserva: P-BUS possible to receive signal)
28	(/BSRQ)	O	C	(Reserve: P-BUS demand for service request)
29	(/CDSRQ)	O	C	(Reserve: IIC-BUS demand for request)
30	E/LVOL2	O	N	Switching 2 ELV/LOAD motor driver output
31,32	NC			Not used
33	EVSS			E power supply GND
34	EVDD		N	E power supply positive power supply
35	(SDA)	O	N	(Reserve: IIC-BUS data)
36	(SCL)	O		(Reserve: IIC-BUS clock)
37	(COREPWR)	O	C	Not used
38	XRES_M	O	C	DVD microcomputer reset signal (L: RESET)
39	IRQPWR_M	O		Notice to reduce the voltage of DVD microcomputer
40	NC		C	Not used
41	E/LFWD	O	C	ELV/LOAD motor control output 2 (FWD)
42	E/LREV	O	C	ELV/LOAD motor control output 1 (REV)
43	TXD1	O		DVD UART data output
44	RXD1	I		DVD UART data input
45	NC		C	Not used
46	CRGCONT	O		Output of the switching to servo driver control (H: acquirement)
47	DCONT2	O		(Reserve: servo driver output ON/OFF control (H: ON)
48	ROM1K	I	C	EEPROM switching to input 2k(L)/1k
49	VDCONT	O	/C	VD power supply control output
50	ROMDATA	I/O		E2PROM data input/output

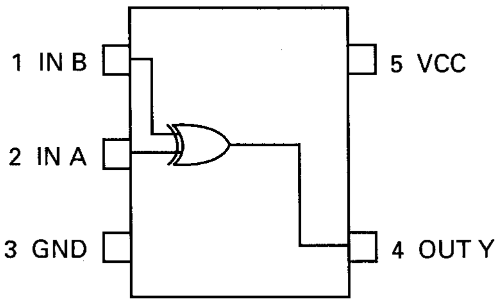
Pin No.	Pin Name	I/O	Format	Function and Operation
51	ROMCS	O	C	E2PROM chip selection output
52	ROMCK	O	C	E2PROM clock output
53	/EPCS	I		E2PROM input(L)/no input & (E2PROM chip selection (output))
54	/TESTIN	I		Chip check test program starting up input
55	/DBBUGIN	I		Detection on-board debugger
56	NC			Not used
57	LOADSWL	I		LOAD operation sense L (DISC shape detecting, LOAD completed)
58	LOADSWR	I		LOAD operation sense R (DISC shape detecting, LOAD completed)
59	CONT_A	O	C	DVD/CD power supply control A pin
60	CONT_B	O	C	DVD/CD power supply control B pin
61	XAVCHK_ENT	I		AV check entry
62	XUCHK_ENT	I		Unit check entry
63-65	NC			(Reserve: DVD IN Port)
66	SPD_SW1	I		SW1 to set the speed of HOST (PC) UART
67	SPD_SW2	I		SW2 to set the speed of HOST (PC) UART
68	NC			Not used
69	BVSS			B power supply GND
70	BVDD			B power supply positive power supply (3.3 V)
71	HMCKENA	O	C	Master clock output control for CD
72	FSSW1	O	C	SW1 switching fs CG
73	FSSW2	O	C	SW2 switching fs CG
74	DTR	O	C	PC connected DTR
75	EMPH	O	C	Emphasis ON/OFF
76	CD_DVD	O	C	Switching CD/DVD (PLL LOCK detection)
77	CONT	O	C	ACT driver mute
78	OEIC	O	C	Switching gain of pick-up OEIC
79	BMUTE	O	C	BMUTE output
80	AMUTE	O	C	Last stage of audio Mute
81	NC		C	(AVREF_SW)
82	RIPP	O	C	Port for CDDA ripping
83	RIP_P_HEAD	O	C	Detection the interval of music (eqivalent to ripping) H: normal/L: detecting the interval
84,85	NC		C	(Reserve: DVD OUT Port)
86	REV	O	C	Not used
87	INISW	I		Disc/no disc sense input when initializing
88	/SVCONT	O	C	Switching the reference voltage
89	CAMREV	O	C	CAM motor control output 1 (REV)
90	CAMFWD	O	C	CAM motor control output 2 (FWD)
91	HOME	I		HOME SW sense input
92	CLAMP	I		CLAMP SW sense input
93	TEMP	I		Temperature information sense input (Reserve)
94	CAMSNS			CAM position select input (linear position)
95	CAMREF			Reference voltage for CAM sense
96	ELVSNS	I		ELV position select input (linear position)
97	ELVREF			Reference voltage for ELV sense
98	LOADPHT			LOAD operation photo sense (no DISC, starting LOAD)
99	VDSENS	I		VD power supply shorted air/ground sense input
100	VHALF	I		Servo driver center voltage input

*PD6496A

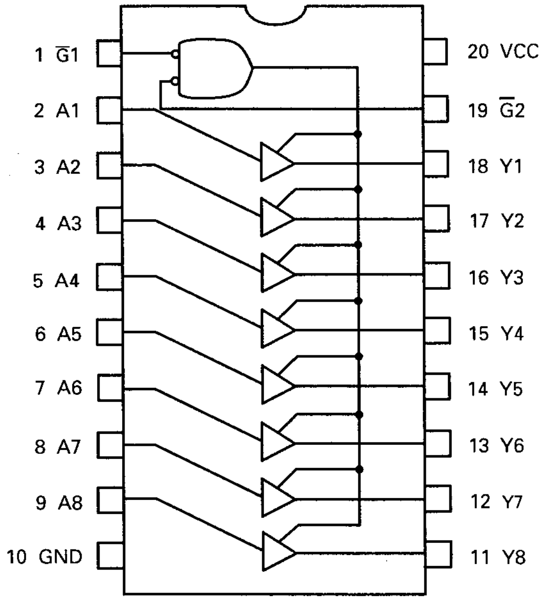

A15 1
A14 2
A13 3
A12 4
A11 5
A10 6
A9 7
A8 8
A19 9
A20 10
$\overline{\mathrm{WE}}$ 11
$\overline{\mathrm{RESET}}$ 12
NC 13
ACC 14
RY/$\overline{\mathrm{BY}}$ 15
A18 16
A17 17
A7 18
A6 19
A5 20
A4 21
A3 22
A2 23
A1 24
25 A0
26 $\overline{\mathrm{CE}}$
27 VSS
28 $\overline{\mathrm{OE}}$
29 DQ0
30 DQ8
31 DQ1
32 DQ9
33 DQ2
34 DQ10
35 DQ3
36 DQ11
37 VCC
38 DQ4
39 DQ12
40 DQ5
41 DQ13
42 DQ6
43 DQ14
44 DQ7
45 DQ15/A-1
46 VSS
47 $\overline{\mathrm{BYTE}}$
48 A16

A-1 :Data output/Address input
A0-A20 :Address input
DQ0-D15 :Data input output
$\overline{\mathrm{BYTE}}$:Mode select
$\overline{\mathrm{CE}}$:Chip enable input
$\overline{\mathrm{OE}}$:Output enable input
RY/$\overline{\mathrm{BY}}$:Ready/Busy output
$\overline{\mathrm{RESET}}$:Reset
ACC :Acc
VCC :Power supply
VSS :GND

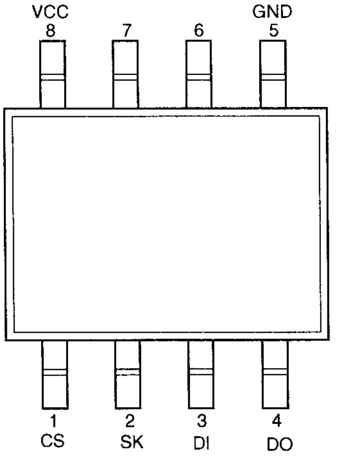
*TC7SH86FUS1


1 IN B
2 IN A
3 GND
5 VCC
4 OUT Y

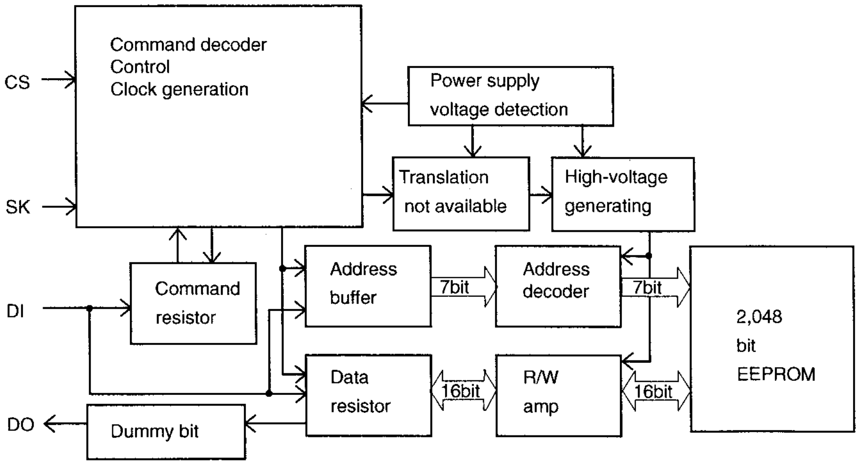
*TC74VHC541FTS1


1 $\overline{\mathrm{G1}}$
2 A1
3 A2
4 A3
5 A4
6 A5
7 A6
8 A7
9 A8
10 GND
20 VCC
19 $\overline{\mathrm{G2}}$
18 Y1
17 Y2
16 Y3
15 Y4
14 Y5
13 Y6
12 Y7
11 Y8

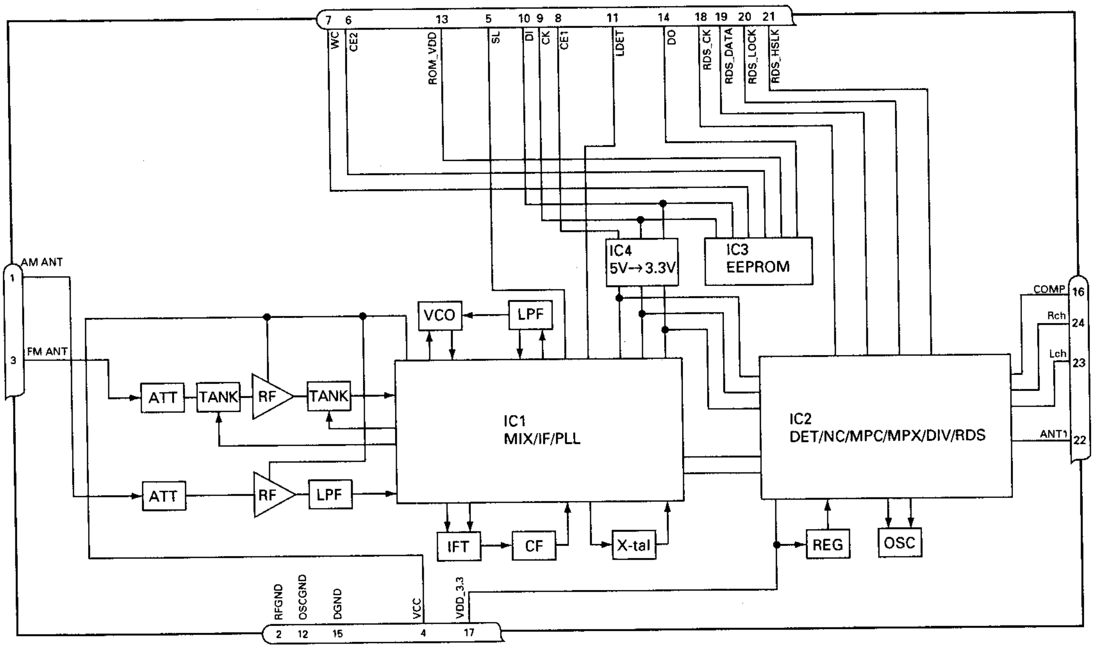
*BR93L56RFVM-W


VCC
8
7
6
GND
5
1
CS
2
SK
3
DI
4
DO

● Block Diagram


CS
SK
DI
DO
Command decoder
Control
Clock generation
Power supply
voltage detection
Translation
not available
High-voltage
generating
Command
resistor
Address
buffer
7bit
Address
decoder
7bit
2,048
bit
EEPROM
Data
resistor
16bit
R/W
amp
16bit
Dummy bit

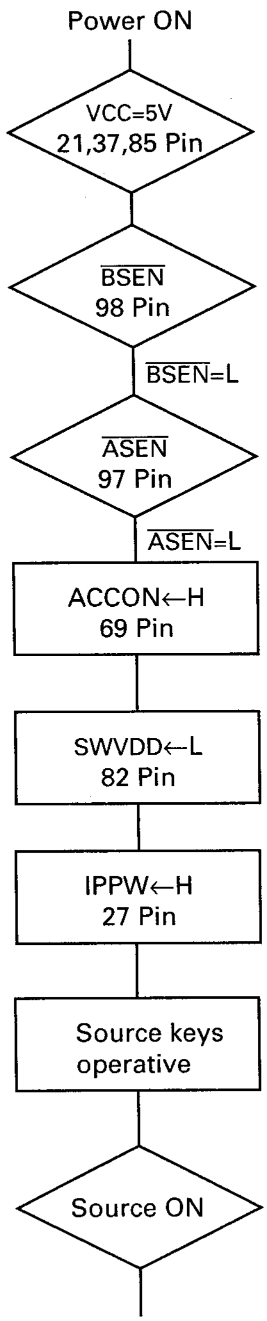
● FM/AM Tuner Unit


7 6 13 5 10 9 8 11 14 18 19 20 21
WC
CE2
ROM_VDD
SL
DI
CK
CE1
LDET
DO
RDS_CK
RDS_DATA
RDS_LOCK
RDS_HSLK
IC4
5V→3.3V
IC3
EEPROM
AM ANT
1
FM ANT
3
VCO
LPF
COMP 16
Rch 24
Lch 23
ANT1 22
ATT
TANK
RF
TANK
IC1
MIX/IF/PLL
IC2
DET/NC/MPC/MPX/DIV/RDS
ATT
RF
LPF
IFT
CF
X-tal
REG
OSC
RFGND
OSCGND
DGND
VCC
VDD_3.3
2 12 15 4 17

No.	Symbol	I/O	Explain	
1	AMANT	I	AM antenna input	AM antenna input high impedance AMANT pin is connected with an all antenna by way of 33μH. (LAU type inductor) A series circuit including an inductor and a resistor is connected with RF ground for the countermeasure against the hum of power transmission line.
2	RFGND		RF ground	Ground of antenna block
3	FMANT	I	FM antenna input	Input of FM antenna 75Ω Surge absorber is necessary.
4	VCC		power supply	The power supply for analog block. D.C 8.4V ± 0.3V
5	SL	O	signal level	Output of FM/AM signals level
6	CE2	I	chip enable-2	Chip enable for EEPROM "Low" active
7	WC	I	write control	You can write EEPROM, when EEPROM write control is "Low". Ordinary non connection
8	CE1	I	chip enable-1	Chip enable for AF•RF "High" active
9	CK	I	clock	Clock data input
10	DI	I	data in	Data input
11	LDET	O	lock detector	"Low" active
12	OSCGND		osc ground	Ground of oscillator block
13	ROM_VDD		power supply	Power supply for EEPROM pin 13 is connected with a power supply of micro computer.
14	DO	O	data out	Data output
15	DGND		digital ground	Ground of digital block
16	COMP	O	composite output	FM composite signal output.
17	VDD_3.3		power supply	The power supply for digital block. 3.3V ± 02V
18	RDS_CK	O	RDS clock	Output of RDS clock(2.5V)
19	RDS_DATA	O	RDS data	Output of RDS data(2.5V)
20	RDS_LOCK	O	RDS lock	Output unit "High" active(2.5V) (RDS_LOCK turns over by the external transistor. "Low" active)
21	RDS_HSLK	O	RDS high speed lock	Output unit "High" active(2.5V)(RDS_HSLK turns over by the external transistor. "Low" active)
22	ANT1		diversity antenna control	Antenna switch control signal output. "High" : MAIN, "Low"=SUB
23	L ch	O	L channel output	FM stereo "L-ch" signal output or AM audio output
24	R ch	O	R channel output	FM stereo "R-ch" signal output or AM audio output

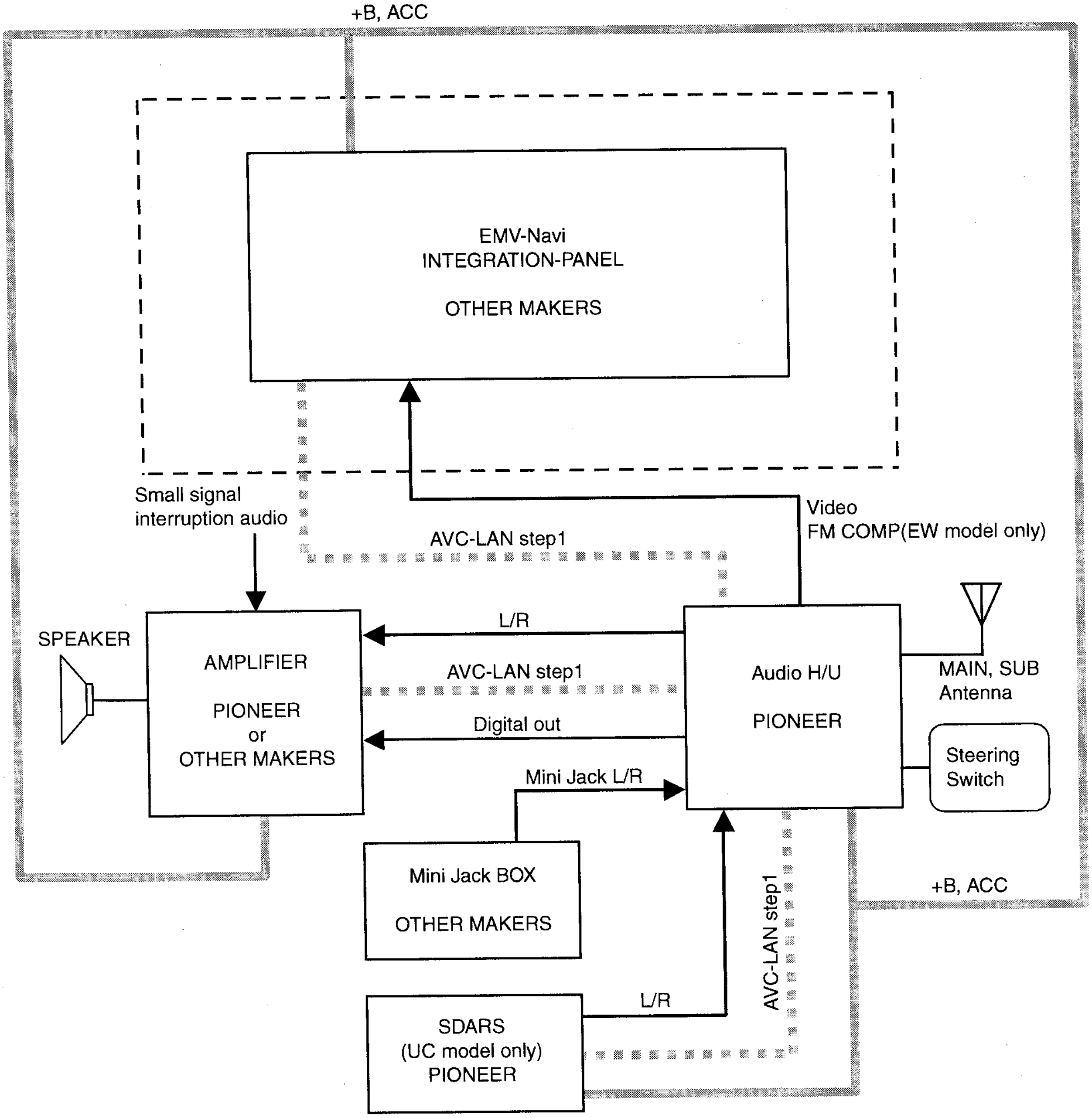
7.3 EXPLANATION

7.3.1 OPERATIONAL FLOW CHART


Power ON
VCC=5V
21,37,85 Pin
BSEN
98 Pin
BSEN=L
ASEN
97 Pin
ASEN=L
ACCON←H
69 Pin
SWVDD←L
82 Pin
IPPW←H
27 Pin
Source keys
operative
Source ON

Completes power-on operation.
(After that, proceed to each source operation)

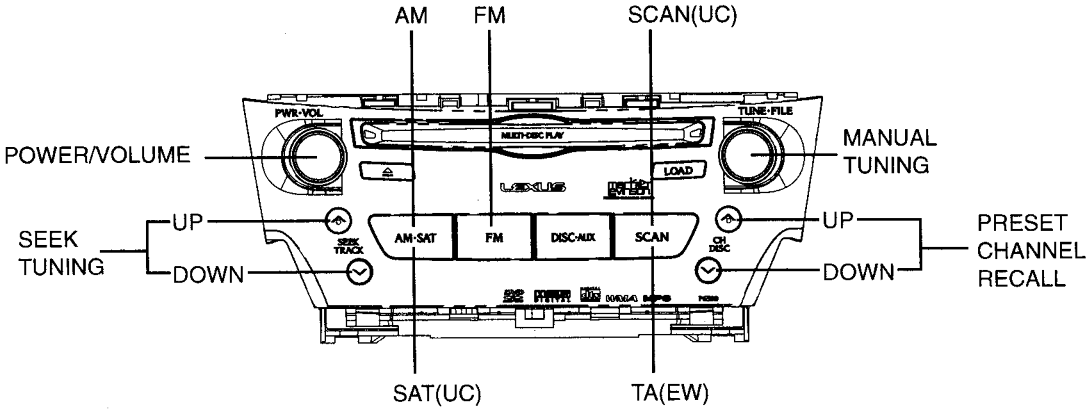
7.3.2 SYSTEM BLOCK DIAGRAM


+B, ACC
EMV-Navi
INTEGRATION-PANEL
OTHER MAKERS
Small signal
interruption audio
AVC-LAN step1
Video
FM COMP(EW model only)
SPEAKER
AMPLIFIER
PIONEER
or
OTHER MAKERS
L/R
AVC-LAN step1
Digital out
Audio H/U
PIONEER
MAIN, SUB
Antenna
Steering
Switch
Mini Jack L/R
Mini Jack BOX
OTHER MAKERS
AVC-LAN step1
+B, ACC
SDARS
(UC model only)
PIONEER
L/R

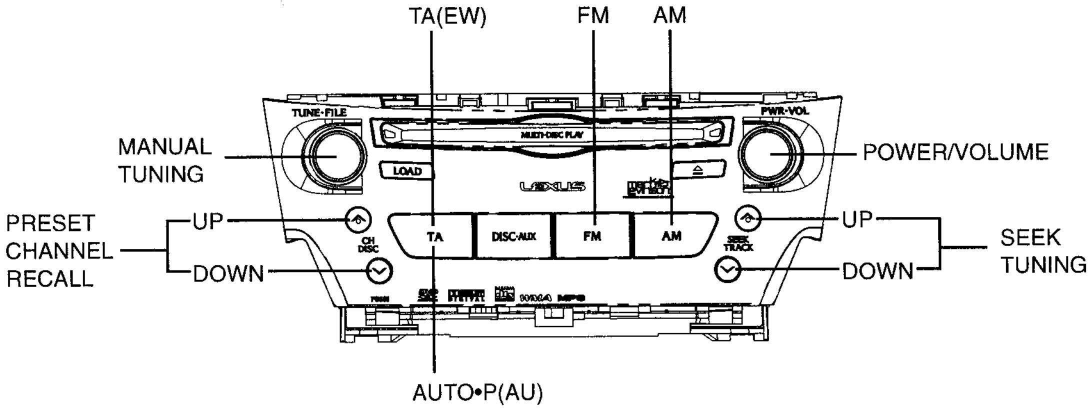
8. OPERATIONS

● RADIO

FX-MG9857DVZT/UC , FX-MG9857DVZT/EW

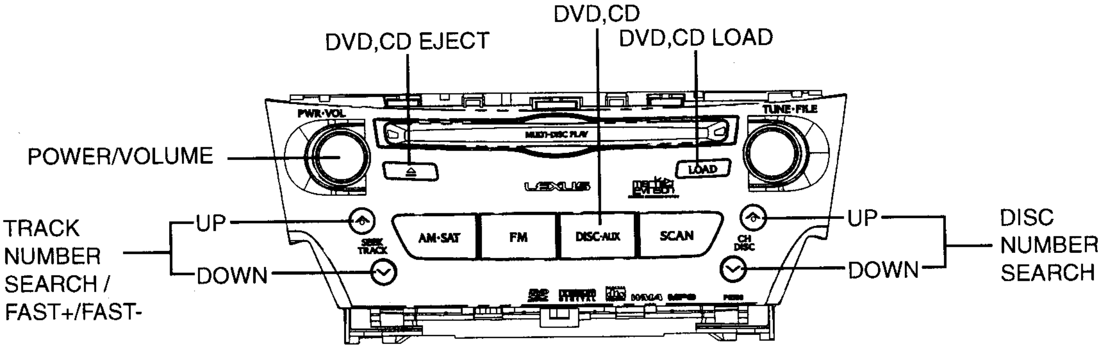

AM
FM
SCAN(UC)
PWR-VOL
TUNE-FILE
MULTI-DISC PLAY
LOAD
POWER/VOLUME
MANUAL
TUNING
SEEK
TUNING
UP
DOWN
SEEK
TRACK
AM-SAT
FM
DISC-AUX
SCAN
CH
DISC
UP
DOWN
PRESET
CHANNEL
RECALL
SAT(UC)
TA(EW)

FX-MG9757DVZT/EW , FX-MG9757DVZT/AU

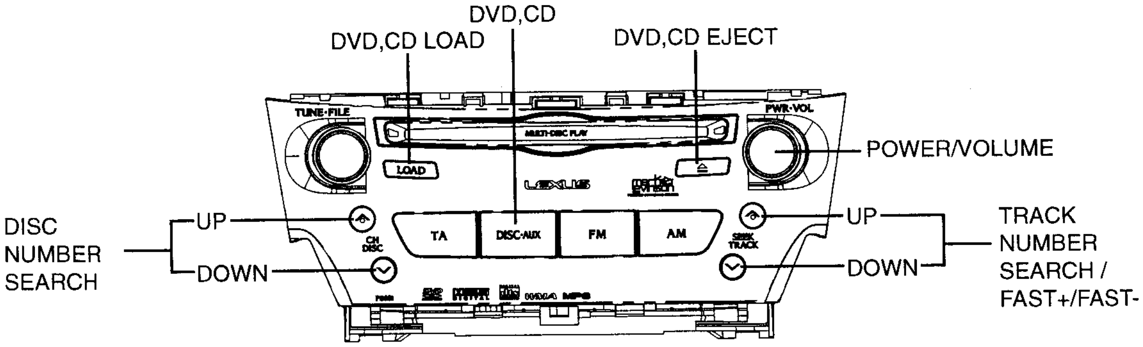

TA(EW)
FM
AM
TUNE-FILE
MULTI-DISC PLAY
PWR-VOL
MANUAL
TUNING
LOAD
POWER/VOLUME
PRESET
CHANNEL
RECALL
UP
DOWN
CH
DISC
TA
DISC-AUX
FM
AM
SEEK
TRACK
UP
DOWN
SEEK
TUNING
AUTO•P(AU)

● DVD / CD

FX-MG9857DVZT/UC , FX-MG9857DVZT/EW


DVD,CD
DVD,CD EJECT
DVD,CD LOAD
POWER/VOLUME
TRACK NUMBER SEARCH / FAST+/FAST-
UP
DOWN
UP
DOWN
DISC NUMBER SEARCH
PWR·VOL
TUNE·FILE
MULTI-DISC PLAY
LOAD
AM·SAT
FM
DISC·AUX
SCAN
SEEK TRACK
CH DISC

FX-MG9757DVZT/EW , FX-MG9757DVZT/AU


DVD,CD
DVD,CD LOAD
DVD,CD EJECT
POWER/VOLUME
DISC NUMBER SEARCH
UP
DOWN
UP
DOWN
TRACK NUMBER SEARCH / FAST+/FAST-
TUNE·FILE
PWR·VOL
MULTI-DISC PLAY
LOAD
TA
DISC·AUX
FM
AM
CH DISC
SEEK TRACK

● Jigs List

Name	Jig No.	Remarks
Assembly jig	GGF1538	Assembly jig for MG4 (3pcs)
Flexible extension	GGD1170	40-Pin flexible extension
Flexible extension	GGD1422	18-Pin flexible extension
Extension Cord	GGD1450	For system confirmation
Extension Cord	GGD1426	For system confirmation
Extension Cord	GGD1453	For system confirmation

● Grease List

Name	Jig No.	Remarks
PG641	GEM1024	Mechanism Module Unit(SERVICE)

Before shipping out the product, be sure to clean the following portions by using the prescribed cleaning tools:

Portions to be cleaned	Cleaning tools
DVD,CD pickup lenses	Cleaning liquid : GEM1004 Cleaning paper : GED-008

Portions to be cleaned	Cleaning tools
Fans	Cleaning paper : GED-008

● Internal multi-DVD shipping position mode setting

Auto change to the SHIP MODE after ALL DISC EJECT.

NOTE :
Do not switch off ACC and +B at the same time immediately after ejecting DISC.
(Switch off +B at 5 seconds after the shutter door is closed.)

*PICK UP is made to be automatically shifted to SHIP MODE. However, the above action may discontinue operation, disabling a shift to SHIP MODE.

PIONEER CORPORATION 4-1, Meguro 1-chome, Meguro-ku, Tokyo 153-8654, Japan
PIONEER ELECTRONICS (USA) INC. P.O. Box 1760, Long Beach, CA 90801-1760, U.S.A.
PIONEER EUROPE NV Haven 1087, Keetberglaan 1, 9120 Melsele, Belgium
PIONEER ELECTRONICS ASIACENTRE PTE. LTD. 253 Alexandra Road, #04-01, Singapore 159936

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